INTEROPERABILITY SOLUTIONS START WITH HL7®

FHİR ACCELERATORS
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DA VINCI PROJECT
GRAVITY
CODEX
CARIN ALLIANCE
FHİR
C-CDA
CDS HOOKS
CONNECTATHIONS
QUALITY REPORTING
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FHİR

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HL7 is a non-profit organization committed to empowering health data interoperability by developing standards and enabling their adoption and implementation.

HL7 International is:

**PEOPLE** Volunteers from organizations around the world

**SOLUTIONS** Innovative ideas and resources for interoperability

**RESULTS** The power to enhance health and wellness on a global scale

Enter to win one of two $250 Visa gift cards! Don’t miss the chance to win raffle prizes after every educational session, including Sparky the FHIR dog, shirts and more!

Visit us online at HL7.org/HIMSS
## Theater Presentation Schedule

### TUESDAY, MARCH 10

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<td>CDS Hooks: Integrating Decision Support at the Point of Care</td>
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<tr>
<td>11:00 – 11:30 am</td>
<td>HL7 Clinical Document Standards (CDA®, C-CDA, FHIR®)</td>
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<tr>
<td>11:40 – 12:10 pm</td>
<td>Getting the Most Out of Your Data Using HL7 Clinical Decision Support Standards</td>
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<tr>
<td>12:20 – 12:50 pm</td>
<td>Partnering for Interoperability: HL7, IHE and Gemini</td>
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<td>1:00 – 2:00 pm</td>
<td>HL7 FHIR Solutions Showcasing Real-World Implementations Panel 1 Discussion</td>
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<tr>
<td>2:10 – 2:40 pm</td>
<td>HL7 Da Vinci Project: Fueling Value-Based Care Data Exchange with FHIR</td>
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<td>2:50 – 3:20 pm</td>
<td>Using Open Source FHIR Platforms to Build Consumer APIs</td>
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<tr>
<td>3:30 – 4:00 pm</td>
<td>The HL7 Gravity Project: Consensus-Driven Standards on Social Determinants of Health (SDOH)</td>
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<td>4:10 – 5:00 pm</td>
<td>HL7 FHIR Implementers Panel: Patient-Focused Solutions</td>
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<tr>
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<td>How HL7 FHIR is Transforming the Healthcare Industry</td>
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### WEDNESDAY, MARCH 11

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<td>HL7 FHIR for Bulk Data API</td>
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<td>10:30 – 11:30 am</td>
<td>Clinical Research on FHIR Panel</td>
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<td>HL7 FHIR 4.0: The Interoperability Trust Value-Add</td>
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<td>12:20 – 12:50 pm</td>
<td>Charting the Course for Standards-Based Interoperability in the Real World</td>
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<tr>
<td>1:00 – 2:00 pm</td>
<td>HL7 FHIR Accelerator Panel</td>
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<td>The Next Generation of Quality Measurement and Reporting</td>
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<td>2:50 – 3:20 pm</td>
<td>Unified Terminology Governance: The New and Improved Replacement for HL7 Harmonization and Vocabulary Maintenance</td>
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<td>3:30 – 4:00 pm</td>
<td>Argonaut Project Update</td>
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<td>4:10 – 4:40 pm</td>
<td>The CARIN Alliance: Advancing Consumer-Directed Exchange</td>
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<td>4:50 – 5:20 pm</td>
<td>HL7 FHIR Project Update</td>
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<td>9:45 – 10:15 am</td>
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<tr>
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<td>HL7 FHIR Accelerator Panel</td>
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<td>11:40 – 12:10 pm</td>
<td>Leaps, Bounds, and FHIR Accelerators: How CodeX is Empowering the Future of Cancer Data Interoperability</td>
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<tr>
<td>12:20 – 12:50 pm</td>
<td>CDS Hooks: Integrating Decision Support at the Point of Care</td>
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<tr>
<td>1:00 – 2:00 pm</td>
<td>HL7 FHIR Solutions Showcasing Real-World Implementations Panel 2 Discussion</td>
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<tr>
<td>2:10 – 2:40 pm</td>
<td>Boost Your Career with HL7 FHIR Proficiency Certification</td>
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<tr>
<td>2:50 – 3:20 pm</td>
<td>HL7 Clinical Document Standards (CDA, C-CDA, FHIR)</td>
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8 Health Level Seven, HL7, CDA, CCD, FHIR and the FHIR [FLAME DESIGN] are registered trademarks of Health Level Seven International, registered with the United States Patent and Trademark Office.
Argonaut Project Update

Wednesday, March 11
3:30 – 4:00 pm

The Argonaut Project is a group of highly motivated health information technology vendors and health care organizations that have come together to accelerate adoption of HL7 FHIR-based technologies in health care interoperability. This session will discuss who is participating, accomplishments to date and the 2020 scope of work, and how this work relates to some other ongoing initiatives.

Micky Tripathi, PhD: Project Manager, HL7 Argonaut Project; President and CEO, Massachusetts eHealth Collaborative

CDS Hooks: Integrating Decision Support at the Point of Care

Tuesday, March 10
10:15 – 10:45 am

Thursday, March 12
12:20 – 12:50 pm

CDS Hooks is a standards-based approach to integrating decision support at the point of care. With CDS Hooks, a third-party decision support service can integrate deeply into the native EHR user interface, listening for key events, accessing structured data, and providing actionable advice at just the right point in a clinical workflow. We’ll review the technology, clinical use cases, standards development, and real-world implementation experience for this emerging specification. We’ll also provide an overview of the software development experience, demonstrating the open-source web-based sandbox and tools that help decision support providers come quickly up to speed.

Josh Mandel, MD: Chief Architect, Microsoft Healthcare; Chief Architect, SMART Health IT
Isaac Vetter: Software Developer, Epic

Boost Your Career with HL7 FHIR Proficiency Certification

Thursday, March 12
2:10 – 2:40 pm

Come learn about how you and your staff can become FHIR Proficiency Certified. Passing the FHIR Proficiency Certification demonstrates your breadth knowledge of core FHIR concepts useful to everyone involved in FHIR implementation. The certification validates understanding of basic resource concepts; exchange mechanisms; conformance, terminology, safety, security, versioning, licensing and IP. Find out how to get started on your preparations and the logistics of the certification process.

Virginia Lorenzi, FHL7: Senior Technical Architect, NewYork-Presbyterian Hospital

Show the World You Have Standards
Get certified with HL7
HL7.org/certification
The CARIN Alliance: Advancing Consumer-Directed Exchange

Wednesday, March 11
4:10 – 4:40 pm

The CARIN Alliance is a group of multi-sector stakeholders focused on consumer-directed exchange managed by Leavitt Partners. Our vision is to 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.

In 2020, our workgroups are focused on the following items:

- Developing an HL7 FHIR API implementation guide to help plans implement the Blue Button® provisions of the CMS Patient Access and Interoperability Proposed Rule
- Developing a consumer-facing real-time pharmacy benefit check HL7 FHIR API implementation guide
- Developing a trust framework and code of conduct for how entities not covered by HIPAA should handle health data
- Working with ONC to develop a digital identity framework to federate a digital credential across systems
- Responding to government policy

Learn more at www.carinalliance.com or on Twitter @carinalliance.

Ryan Howells: Program Manager, CARIN Alliance; Principal, Leavitt Partners

Charting the Course for Standards-Based Interoperability in the Real World

Wednesday, March 11
12:20 – 12:50 pm

Health information exchange is supported by an ever-evolving ecosystem that is charting the course for change towards a learning healthcare system. The Sequoia Project has been collaborating with HL7 to advance the standards and provide a feedback loop of lessons learned to improve the data quality of content exchanged since 2015. Learn how The Sequoia Project Interoperability Testing Platform is advancing the exchange of patient information and the US Core Data for Interoperability (USCDI).

Didi Davis: VP, Informatics, Conformance & Interoperability, The Sequoia Project

Join HL7 for Working Group Meetings!

May 16-22, 2020
Working Group Meeting
Hyatt Regency San Antonio on The Riverwalk
San Antonio, TX

September 18-25, 2020
Working Group Meeting
Baltimore Renaissance Harborplace
Baltimore, Maryland

Learn more at HL7.me/wgm
Clinical Research on FHIR Panel

Wednesday, March 11
10:30 – 11:30 am

This panel will examine the opportunities and recent progress on using HL7 FHIR® to improve biopharmaceutical processes related to research and drug safety. It will also cover relevant governmental activities at National Institutes of Health (NIH) and Centers for Disease Control and Prevention (CDC).

Clinical Research Community Collaborating for Interoperability of Data

Data for clinical research is derived from numerous patients from multiple sites in multiple countries, bound by regulatory requirements. Increasingly, data from many data sources are required. Interoperable data exchange utilizing standards is a great need for the industry across all research community stakeholders. Excellent work is being conducted by multiple stakeholders; however, ongoing work sometimes occurs without knowledge of relevant work by other stakeholders. There is a clear opportunity for better transparency and collaboration. This opportunity is being met by the creation of an accelerator named Vulcan. Vulcan, which is dedicated to clinical and translational research, is being created through a collaborative effort across stakeholder groups including industry representation, government agencies, research academia, standards development organizations and more. A major goal of the accelerator is to promote the co-development and evolution of HL7 FHIR standard supporting clinical and translational research.

Clinical Research in Academics

This section will cover research at Duke University on accelerating the single IRB process for regulated clinical research. The process addresses the creation of a set of seven forms involved in the IRB process, the auto and manual population of the forms, and the distribution and rendering of these forms. HL7 FHIR is used in the forms, specifically, the Questionnaire Resource and the Questionnaire Response Resource. Structured Data Capture is used to manage the forms and accommodate the auto population and manual population of these forms. The approach is to present this work as a case example demonstrating an approach that can be used for any similar form creation, population and distribution.

Amy Nordo, MMCi, BSN, CPHQ: Clinical Research Informatics, Global Product Development Strategic Partnerships, Pfizer

W. Ed Hammond, PhD, FHL7: Chair Emeritus, HL7 International; Director, Duke Center for Health Informatics, Duke Translational Medicine Institute

Wayne Kubick: CTO, HL7 International

Charles Jaffe, MD, PhD (moderator): CEO, HL7 International
Getting the Most Out of Your Data Using HL7 Clinical Decision Support Standards

Tuesday, March 10
11:40 – 12:10 pm

The use of health information technology (HIT) standards for encoding data, representing knowledge and delivering knowledge-based interventions can help facilitate implementation of clinical decision support (CDS). The presenters, who are co-chairs of the HL7 CDS Work Group, will survey the standards developed by this group, including formalisms for accessing and representing clinical knowledge and data models to support these standards. The Arden Syntax is a standard language for representing medical knowledge in the form of medical logic modules (MLMs). Various patient data models will be reviewed, including the Virtual Medical Record (VMR), the Quality Improvement and Clinical Knowledge model (QUICK), and Fast Healthcare Interoperability Resources (FHIR) as they pertain to clinical decision support. The Clinical Quality Language (CQL), which is a standard expression language for CDS and clinical quality measurement (CQM), also will be discussed, as will its relationship with the Healthcare Quality Measure Format (HQMF). Infobuttons are context-sensitive links from EMRs to knowledge resources. The FHIR Clinical Reasoning module (part of STU3) provides resources and operations to enable the representation, distribution, and evaluation of clinical knowledge artifacts such as clinical decision support rules, quality measures, order sets, and protocols. The latest versions of these standards will be described at a high level, showing how they can be used to implement CDS.

Robert A. Jenders, MD, MS, FACP, FACMI, FHL7: Co-Chair, HL7 Clinical Decision Support Work Group; Professor of Medicine, Charles Drew University and University of California, Los Angeles

Howard R. Strasberg, MD, MS, FACMI: Co-Chair, HL7 Clinical Decision Support Work Group; VP Medical Informatics, Wolters Kluwer Health
HL7 Clinical Document Standards (CDA, C-CDA, FHIR)

Tuesday, March 10
11:00 – 11:30 am

Thursday, March 12
2:50 – 3:20 pm

The Structured Documents Work Group at HL7 has been working on Clinical Document standards for over 20 years. Our goal at the start was the establishment of the exchange syntax for readable electronic healthcare documents. Over the years, we improved the base standard, added machine processable entries and created an extensive library of implementation guides for specialized clinical document types. Today, clinical systems around the world and in the US use CDA® to support interoperability between healthcare providers, payers and patients. This presentation will highlight a number of projects and activities undertaken over the last year to improve clinical document interoperability:

• CDA Product Management
• CDA Example Taskforce
• C-CDA Value Set Maintenance
• C-CDA Implementation-a-thons
• C-CDA “SITE” Validator & Scorecard
• Using FHIR with Documents

Come join us as we review where we been and where we are going with clinical documents!

Calvin Beebe, FHL7: Past Chair, HL7 International Board of Directors; Co-Editor, CDA; Co-Chair, HL7 Structured Documents Work Group; Technical Specialist, Information Services, Mayo Clinic – Rochester, MN

HL7 Da Vinci Project: Fueling Value-Based Care Data Exchange with FHIR

Tuesday, March 10
2:10 – 2:40 pm

Founded in 2018, the HL7 Da Vinci Project is the private sector initiative focused on developing the critical standards needed to support providers and payer in Value-Based Care. It leverages the combined power of HL7® FHIR®, industry subject matter experts, and in-kind resources from leading providers, payers, vendors to fuel build out of implementation guides that will define the clinical data exchange to improve: quality measurement, transparency of patient coverage, support of prior authorization, identification of risk based contract members and overall flow of bidirectional clinical data between providers and payers. The project is also driving standards for payers to better support providers and patients for proposed CMS rules covering directories, payer coverage decisions and improving transparency for members. This session brings participants up to date on the status, maturity and resources available of the over 14 use cases in HL7’s standards development process and emerging implementations.

Learning Objectives
• Understand project focus areas
• Review current use case status and maturity
• How to find and navigate available resources
• Find out how to get involved and start implementing Da Vinci guides and resources
• Get to know new and emerging use cases

Jocelyn Keegan: Program Manager, HL7 Da Vinci Project; Payer Practice Lead, Point of Care Partners
The presentation will summarize how the SkinWoundAssessment FHIR IG demonstrates the employment of FHIR 4.0 to capture user trust specifications and simplify clinician and patient benefits. Dr. Brody will describe the work and the value of reliable patient outcomes tracking and burden reduction. Mr. Budman will describe clinical end-user benefits of 4.0’s higher-order device data interoperability. Mr. Ettema will review how FHIR Testing services enable production-system conformance to clinicians’ trust specifications. The objective is a tested framework for interoperability enhancement that demonstrably achieves trusted measurement and reporting of outcomes. This project’s test of concept models science-grade wound data. The framework is applicable to any data sensitive to trust and fitness for end-use, better enabling clinician medical decisions and patient benefit assurance. The presentation will close with a roadmap for step-wise Connectathon proofing and an invitation to learn more and participate.

**Dr. Michael Brody:** Co-Chair and Co-Facilitator, HL7 EHR Work Group; Lead, Podiatry Profile Projects

**Joshua Budman:** Co-Founder, CTO for Tissue Analytics, Inc.

**Richard Ettema:** Lead Consultant, FHIR SME for AEGIS.net, Inc.

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**HL7 FHIR Fundamentals Course**

**Next edition begins April 2, 2020!**

- An introductory online course on HL7 FHIR - no experience necessary!
- Four week course includes new module each week
- Guided real-world exercises with instructor assistance and feedback
- Interactive online community with students and instructors

**HL7.me/FHIRfun**
HL7 FHIR Accelerator Panel

Wednesday, March 11
1:00 – 2:00 pm

Thursday, March 12
10:30 – 11:30 am

The HL7 FHIR Accelerator Program assists communities and collaborative groups across the global healthcare spectrum in the creation and adoption of high quality FHIR implementation guides or other standard artifacts to move toward the realization of global health data interoperability. Since its inception, FHIR standards development has focused on practical implementation and adoption. As an increasing array of use cases emerges, end users and implementers across the health care spectrum are eager to apply the robust capabilities of FHIR to address discrete business needs in their own business areas. This panel will cover the current FHIR accelerators, including the HL7 Argonaut Project, CARIN Alliance, CodeX, the HL7 Da Vinci Project, and the Gravity Project.

Wednesday Panel
Steve Bratt: Lead, CodeX; Leader, Health Standards and Interoperability Group, The MITRE Corporation
Evelyn Gallego: Program Manager, The Gravity Project; CEO and Founder, EMI Advisors, LLC
Ryan Howells: Program Manager, CARIN Alliance; Principal, Leavitt Partners
Charles Jaffe, MD, PhD, (co-moderator): CEO, HL7 International
Jocelyn Keegan: Program Manager, HL7 Da Vinci Project; Payer Practice Lead, Point of Care Partners
Micky Tripathi, PhD (co-moderator and participant): Project Manager, HL7 Argonaut Project; President and CEO, Massachusetts eHealth Collaborative

Thursday Panel
Steve Bratt: Lead, CodeX; Leader, Health Standards and Interoperability Group, The MITRE Corporation
Charles Jaffe, MD, PhD, (co-moderator): CEO, HL7 International
Dave Lee: Policy, Real-time Pharmacy Benefit Check, Trust Framework Projects, CARIN Alliance; Director, Leavitt Partners
Lisa Nelson: Value Sets Subject Matter Expert, The Gravity Project; Vice President, Business Development and Marketing, MaxMD
Viet Nguyen, MD: Technical Director, HL7 Da Vinci Project; Founder, Stratametrics
Micky Tripathi, PhD (co-moderator and participant): Project Manager, HL7 Argonaut Project; President and CEO, Massachusetts eHealth Collaborative

2020 HL7 FHIR Accelerators

Visit us online at HL7.org/HIMSS
HL7 FHIR for Bulk Data API

Wednesday, March 11
9:45 – 10:15 am

Healthcare organizations have many reasons for bulk-data export, such as populating a data warehouse for operational or clinical analytics, leveraging population health and decision support tools from external vendors, and submitting data to regulatory agencies. Today, bulk export is often accomplished with proprietary pipelines, and data transfer operations frequently involve an engineering and field mapping project. Learn about an exciting new effort by SMART and HL7 to bring the FHIR standard to bear on these challenges of bulk-data export.

Dan Gottlieb: Clinical Informaticist, Harvard Medical School Department of Biomedical Informatics

HL7 FHIR Implementers Panel: Patient-Focused Solutions

Tuesday, March 10
4:10 – 5:00 pm

FHIR is transforming healthcare. This includes making healthcare records available to patients, collecting data from the patients, and creating personal health records. The panel will discuss what is state of the art and how the current trends might change health and the healthcare industry.

Dave deBronkart: e-Patient Dave
Grahame Grieve, FHL7: HL7 FHIR Product Director, HL7 International; Member, HL7 FHIR Management Group; Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator, HL7 Infrastructure and Messaging Work Group; Principal, Health Intersections Pty Ltd.
Michele Mottini: Software Developer, CareEvolution, Inc.
Viet Nguyen, MD: Technical Director, HL7 Da Vinci Project; Founder, Stratametrics LLC

TOP REASONS TO BECOME AN HL7 MEMBER

✔ Support the standards community: Enable continued development of HL7 FHIR and other HL7 standards
✔ Influence the future: Create and collaborate on standards that are crucial to interoperability
✔ Make your voice heard: Vote on standards and influence the technical and policy environment

✔ Gain access to thought leaders and experts: Leverage information that supports strategic decision-making
✔ Discounts on education and complimentary webinars: Maximize your budget while you learn from the experts
✔ Recruit new employees: Post free and discounted job openings on the HL7 Job Board

“HL7 pulls all the experts around the table. The potential for true interoperability improves with collaboration, ultimately improving health for the population.”

- Lura D., HL7 Member

To learn more or join, visit HL7.org/membership or contact Linda Jenkins, Director of Membership linda@hl7.org.
HL7 FHIR Project Update

Wednesday, March 11
4:50 – 5:20 pm

Thursday, March 12
9:45 – 10:15 am

HL7 FHIR is the major future healthcare data exchange standard. The specification is about halfway through its development life cycle – some aspects are still changing, while others are now stable and mature. These have significant impacts on implementers and regulators. This session will cover the overall progress of the HL7 FHIR project including the standard, the community, significant implementation projects in the United States and around the world, and regulatory adoption issues.

Grahame Grieve, FHL7: HL7 FHIR Product Director, HL7 International; Member, HL7 FHIR Management Group; Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator, HL7 Infrastructure and Messaging Work Group; Principal, Health Intersections Pty Ltd.

HL7 FHIR CONNECTATHON AT MAY 2020 WORKING GROUP MEETING

May 16-22, 2020
WGM at the Hyatt Regency Riverwalk
San Antonio, Texas

Featuring a FHIR Connectathon on May 16-17, as well as FHIR-I work group meetings throughout the week

HL7.me/FHIRCon
HL7 FHIR Solutions Showcasing Real-World Implementations

FHIRBall – The FHIR Business Alliance
These sessions will be interactive panel presentations and discussions highlighting how HL7 FHIR is being implemented in today’s healthcare technology solutions, with a specific focus on FHIRBall. FHIRBall members have actively engaged in the proliferation of the FHIR standard and have joined forces to market their FHIR-based tools and solutions because they believe every patient and provider deserves the best that technology has to offer. Through each of their businesses, they strive to propel the healthcare industry forward through the community-based approach of HL7 and the FHIR Foundation.

Panel 1 Discussion
Tuesday, March 10
1:00 – 2:00 pm

Wayne Kubick, moderator: CTO, HL7 International

Firely
Firely is one of the initiators of HL7 FHIR and co-organizer of DevDays, the largest FHIR event in the world. Our mission is Making FHIR even simpler. We build and maintain key products and tools for FHIR implementers:

- The open source reference API for .NET
- The FHIR server Vonk and the FHIR Mapper
- The global platform for FHIR profiling and Implementation Guides Simplifier
- The profile editor Forge

Customers include hospitals, health IT vendors, government agencies and standard developing organizations around the world. Firely is a leader in FHIR consultancy and FHIR training courses.

Ewout Kramer: CTO, Firely

1upHealth
As a leader in FHIR interoperability, 1upHealth focuses on bridging the gap between patient-centered data and provider needs, thus creating a platform for patients to aggregate and share medical data from external health systems and wearable devices with providers enabling improved healthcare outcomes and lower costs. Topics that will be discussed:

- Review of FHIR roll out progress that enables patient mediated access to comply with industry policy and initiative
- Recent government initiative for all healthcare hospitals and clinics to be Meaningful Use 3 (MU3) compliant by the end of 2019

Customer Types: Our organization is built entirely to support digital health companies. 1upHealth is building the foundational API platform for healthcare application developers from health systems, health insurance payers, pharma, and digital health startups. Overall, we have over 500 companies using our APIs which enable connectivity to over 10,000 health systems across the US, with capability to access 85% of the patient population.

Ricky Sahu: CEO, 1upHealth
Panel 1 Discussion  continued from page 13

Tuesday, March 10
1:00 – 2:00 pm

Smile CDR
Smile CDR helps organizations like governments, regional health exchanges, researchers, health systems, providers, payers and app developers build connected health solutions and products. They make it easy for health organizations of all sizes to deliver interoperable applications quickly and enable #BetterGlobalHealth.

The core product, Smile CDR, is an enterprise class clinical data repository that is built around the open sourced HAPI FHIR which we are maintainers of. With out-of-the box configuration and management tools, multiple connectors to HL7 FHIR®, HL7 Version 2.x, HL7 CDA®, ETL, LDAP and other IAM services, etc. Smile CDR is built for scale and performance and is designed to be the core building block of any connected system leveraging the FHIR data model and APIs, while enabling future initiatives such as big data (AI and ML) and next gen eMPI.

James Agnew: CTO, SmileCDR

AEGIS
AEGIS experts authored the FHIR Test Script Resource and have supported FHIR validation from the beginning. Touchstone by AEGIS is your easy-to-use platform that accelerates the development and deployment of interoperable and secure healthcare applications. The system provides a repeatable litmus test to decisively measure FHIR implementations and provide test driven development support to health IT vendors around the globe.

Sandy Vance: Director of Healthcare Interoperability, AEGIS

HL7 Resources
Straight from the Source!

✔ Professional Development & Education: online courses, webinars and in-person training
✔ Corporate Training: in-person and virtual formats
✔ Certification & Proficiency Exams: validate expertise in HL7 and FHIR standards
✔ Connectathons: hands-on and heads down development and testing
✔ Collaboration: engage through Work Groups & Listservs
✔ Accelerator Program: assists with implementation and adoption activities

HL7.org/participate
Panel 2 Discussion

Thursday, March 12
1:00 – 2:00 pm

Wayne Kubick, moderator: CTO, HL7 International

Rimidi

Rimidi partnered with Emory Orthopaedics to develop a FHIR-enabled digital tool for tracking surgical procedure data and for collecting patient reported outcomes measures (PROMs) for patients undergoing orthopaedic surgery at Emory Healthcare. Via an embedded mobile app, surgeons are able to view surgery and clinic schedules, document surgical detail, follow PROMs, and search their surgical outcomes database. In a patient interface to the mobile FHIR app, patients can report post-surgical pain, opiate usage, and physical therapy measures. Integrating to Emory’s Cerner EHR using FHIR has allowed for development of secure mobile apps, enhanced data collection and a delightful user experience.

Lucienne Ide, MD, PhD: Founder & Chief Health Innovator, Rimidi

Seqster Creates Interoperability 2.0 with 360° Patient View & Engagement

Seqster is a SaaS healthcare platform that enables organizations to drive efficient healthcare via comprehensive medical records (EHR), individual genomic profiles (DNA), and personal health device data. For the first time, users create their own matched, longitudinal health data profile across all of their US-based healthcare data sources through person-centric interoperability. Seqster helps healthcare providers and payers onboard their members in an efficient and accurate way by seamlessly integrating into any payer, provider, or clinical research enterprise. The platform currently connects users to more than 3,600 healthcare providers and over 150,000 hospitals and clinics nationwide.

Arty Arianpour: CEO & Co-Founder, Seqster

Applicadia

Richard Esmond will demonstrate Applicadia a platform for Speech Recognition and Natural Language Processing that outputs coded and structured medical records based on HL7 FHIR Profiles. Also demonstrated will be its real-time execution of HL7 Clinical Quality Language (CQL) decision support rules and computation of CQL based metrics.

Richard Esmond: Co-Chair, HL7 Clinical Information Modeling Initiative Work Group; Chief Technical Officer, PenRad, Inc.

The Duke PillBox

Duke PillBox is a patient-centered learning tool designed to improve skills for medication management and patient-provider communication for med reconciliation. The app is used to teach patients the skills required to identify and organize pills in a daily and weekly medication-dosing schedule. The design features pedagogically appropriate strategies to overcome health literacy barriers and optimize patient opportunities to communicate questions, concerns and misunderstandings regarding medication management with providers.

W. Ed Hammond, PhD, FHL7: Chair Emeritus, HL7 International; Director, Duke Center for Health Informatics, Duke Translational Medicine Institute
How HL7 FHIR is Transforming the Healthcare Industry

Tuesday, March 10
5:10 – 5:40 pm

Interoperability has become the desired accomplishment of the international community. FHIR is now providing a tool for realistically realizing that goal. A plethora of stakeholders are now developing applications using FHIR. FHIR is helping to open up the world. All the new initiatives and changes require the seamless flow of data. FHIR and its partner standards are opening the doors to enable the best health ever. At HIMSS 2019, FHIR was the talk of the town. Endorsements by ONC, CMS, CDC, HHS, the EHR vendor community and many others show the expanse of the impact of FHIR.

W. Ed Hammond, PhD, FHL7: Chair Emeritus, HL7 International; Director, Duke Center for Health Informatics, Duke Translational Medicine Institute

The HL7 Gravity Project: Consensus-Driven Standards on Social Determinants of Health (SDOH)

Tuesday, March 10
3:30 – 4:00 pm

This session will introduce the Gravity Project, an HL7 FHIR Accelerator Project, focused on collaboratively developing standards to facilitate the capture and exchange of SDOH data across settings of care using HL7 FHIR.

Learn more about SDOH data definitions identified to-date and how you can contribute and participate in this important national initiative.

Evelyn Gallego: Program Manager, The Gravity Project; CEO and Founder, EMI Advisors, LLC

HL7 TRAINING 2020

Get Your Training Straight from the Source!

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Leaps, Bounds and FHIR Accelerators: How CodeX is Empowering the Future of Cancer Data Interoperability

Thursday, March 12
11:40 – 12:10 pm

Only 3% of adult cancer patients participate in clinical trials that provide high-quality data for cancer research. What if we could learn from the experiences of 100% of cancer patients?

That’s the goal of mCODE (minimal Common Oncology Data Elements), a FHIR-based data standard designed to accelerate advances in patient care and research, enabling the sharing and analysis of data from thousands of cancer patients in a semantically interoperable way.

To extend mCODE to other high-priority use cases, oncology stakeholders have come together to build a community called CodeX (Common Oncology Data Elements eXtensions). CodeX is a new HL7 FHIR Accelerator program, providing the stakeholders with a space in which to develop and implement use cases and extensions to mCODE.

Please join us and learn about CodeX community, use cases, intended impact, and how you can get involved.

Greg Shemancik: Deputy Lead, CodeX; Senior Healthcare Analyst, The MITRE Corporation

The Next Generation of Quality Measurement and Reporting

Wednesday, March 11
2:10 – 2:40 pm

Since the 1990s, Health Level 7 (HL7) has led the development of electronic standards for defining electronic clinical quality measures (eCQM) and reporting on quality measurement. This session will introduce the next generation of standards for quality measurement and reporting using HL7® Fast Health Interoperability Resources (FHIR®). We will show how the move to FHIR can streamline the reporting process and align quality measurement with clinical practice.

Samuel Sayer: Member, HL7 Clinical Quality Information Work Group; Program Manager (Leads Interoperability and Clinical Quality Projects), MITRE

Partnersing for Interoperability: HL7, IHE and Gemini

Tuesday, March 10
12:20 – 12:50 pm

This session will review progress on the HL7-IHE Gemini initiative, including progress to date, current and proposed joint projects, and plans for moving forward.

Chris Carr: Director of Informatics, RSNA
Wayne Kubick: CTO, HL7 International
Unified Terminology Governance: The New and Improved Replacement for HL7 Harmonization and Vocabulary Maintenance

Wednesday, March 11
2:50 – 3:20 pm

Got Terminology? The Unified Terminology Governance (UTG) project will provide a unified harmonization process and location for all terminology used in HL7 Products. FHIR, CDA, V2 and V3 all in one place! This session will provide an overview of the UTG process and how it will benefit the HL7 community.

Jessica Bota: Senior Informatics Analyst, Apelon, Inc.; Project Manager, UTG Project

Using Open Source FHIR Platforms to Build Consumer APIs

Tuesday, March 10
2:50 – 3:20 pm

Granting patients and consumers access to their health data is a hot topic right now. FHIR is a natural fit for building APIs to make this happen, with its wide adoption and great tooling ecosystem. This talk will explore some models and tools that an organization or a vendor can use to get started quickly.

James Agnew: Chief Technology Officer, Smile CDR; Project Lead, HAPI Project (since 2004)

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