



Working Group Meeting

May 16 – 22, 2020

Hyatt Regency San Antonio on the Riverwalk
San Antonio, Texas

Register Today!

Early Bird Registration Cutoff: May 2, 2020

Hotel Reservation Cutoff: April 24, 2020

Online Registration Cutoff: May 15, 2020



#HL7WGM

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Meeting Schedule Key

- Q1: 9:00 am – 10:30 am
- Q2: 11:00 am – 12:30 pm
- Q3: 1:45 pm – 3:00 pm
- Q4: 3:30 pm – 5:00 pm

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A E G I S

HL7 Payer Summit

Monday–Tuesday, May 18–19, 2020

An event exclusively for payers, invited providers and sponsors.

As the healthcare industry increasingly needs to share information, the necessity for having standards-based

interactions becomes more important, particularly for the payer community. HL7 Payer Summits provide an intensive two-day snapshot of current work in standards development and how those efforts intersect with the needs of payer organizations.

Agenda

MONDAY, MAY 18

8:30 – 8:40 am

Welcome

Chuck Jaffe, MD, PhD, CEO, HL7 International

8:40 – 9:25 am

Keynote – “Alexa, Help Me Get Better HealthCare”

Anthony Nguyen, MD, Senior Vice President, Population Health Management, United Healthcare

9:30 – 10:30 am

Leading Change

Paula Braun, Entrepreneur-in-Residence, Centers for Disease Control and Prevention

Ben Hamlin, Lead Research Scientist, NCQA (invited)

Dave Cassel, Vice President, The Sequoia Project

10:30 – 11:00 am

Break

11:00 am – 11:30 am

Benefits and Uses of FHIR Bulk Data Access to Value-Based Care

Adam Culbertson, Health IT Program Manager, Boston Children’s Hospital

11:30 – 12:30 pm

Accelerator Update

- **The Argonaut Project** – *Micky Tripathi, PhD, President & CEO, Massachusetts eHealth Collaborative (MAeHC); Project Manager, The Argonaut Project (invited)*
- **The Da Vinci Project** – *Viet Nguyen, MD, Technical Director, The Da Vinci Project*
- **CARIN Alliance** – *Ryan Howells, Principal, Leavitt Partners; Program Manager, CARIN Alliance*

- **CodeX** – *Steve Bratt, Leader, Health Standards and Interoperability Group and CodeX Project Co-Lead, The MITRE Corporation*

- **Gravity Project** – *Evelyn Gallego, Program Manager, Gravity Project*

12:30 – 1:30 pm

Lunch

1:30 – 3:00 pm

Solution Showcase: Gold Sponsor Sessions

- Axway
- DocStation
- HealthSparq
- InterSystems
- Point-of-Care Partners

3:00 – 3:30 pm

Break

3:30 – 5:00 pm

Data Exchange Intermediaries: Clinical Data, Prior Authorization and Alerts

- **Availity** – Speaker TBD
- **Optum** – *Brian Lumadue, Product Director, Optum Data Exchange (ODX)*
- **AHIP** – *Kate Berry, Senior Vice President of Clinical Affairs, AHIP (invited)*
- **Edifecs** – *John Kelly, Principal Business Advisor, Edifecs*

5:00 – 6:30 pm

Networking Reception

- Reception Sponsors:
- InterSystems
- UHIN
- Edifecs

Note: This is a draft agenda and is subject to change.

TUESDAY, MAY 19

8:30 – 9:00 am

Keynote

Tom Giannulli, MD, CMIO-IHMI, American Medical Association (invited)

9:00 – 10:30 am

Real World Implementation of Final Rules

Steven Posnack, M.S., M.H.S., Deputy National Coordinator, ONC

Alexandra Mugge, Deputy Chief Health Informatics Officer, CMS (invited)

10:30 – 11:00 am

Break

11:00 am – 12:30 pm

Provider Panel (Industry Direction)

James Cheng, MD, Professor of Medicine, Assistant Dean for Academic Appointments, Professor of Family Medicine and Community Health Duke University Medical Center (invited)

Jonathan Nebeker, MD, Professor of Medicine, University of Utah; CMIO, Veteran's Health Administrations (invited)

Brian Patty, MD, Vice President and CMIO, Rush University Medical Center (invited)

Christopher Longhurst, MD, CIO, University of California San Diego Health (invited)

Edward Marx, Author: "Voices of Innovation: Fulfilling the Promise of Information Technology in Healthcare"; Former CIO, Cleveland Clinic

12:30 – 1:30 pm

Lunch

1:30 – 3:00 pm

Innovation Panel: Using Technology to Improve Workflow

- **Google** – *Kurt Ericson, Product Manager (invited)*
- **Microsoft** – *Speaker TBD*
- **Dell** – *Sanjay Joshi, Industry CTO Healthcare (invited)*
- **360X Closed Loop Referrals** – *Holly Miller, MD, Chief Medical Officer, MedAllies*

3:00 – 3:15 pm

Wrap Up & Adjourn

Sagran Moodley, Senior Vice President, UHC Clinical Data Services & Technology, UnitedHealth Group

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HL7 International working group meetings (WGMs) are held three times per year at varying locations and serve two important purposes:

- To provide HL7 International work groups a chance to meet face to face to work on the standards as well as the opportunity to network with industry leaders from around the world.
- To provide an invaluable educational resource for the healthcare IT community.

Standards Development

More than 40 HL7 work groups are dedicated to specialized areas of interest such as Mobile Health and Electronic Health Records. These work groups are directly responsible for the content of the standards and spend much of their time at the WGMs hard at work on standards

Education Tracks

WGM courses are organized into three tracks to make it easier to choose the educational offerings that are right for you:

Track 1 – HL7 FHIR® in Depth

This track provides tutorials and other activities focused on HL7's Fast Healthcare Interoperability Resources (FHIR®) standard. It includes a mixture of tutorials, hands-on development at the Connectathon, and interactive presentations to bring implementers and decision makers up to speed and ready to use the standard in their own environments.

Track 2 – Introductory Topics

The Introductory Topics track offers a variety of tutorials that may involve multiple standards product families, and general topics such as security, vocabulary and interoperability. It provides introductory classes and foundational classes for students new to standards-based interoperability.

Track 3 – HL7 Process & General Interest

This track provides tutorials designed to support new member involvement and help existing members become more effective in their participation in the HL7 standards development process. Tutorials included in this track are first timers' orientation, introduction to HL7 organization and process, the HL7 development framework and co-chair training.

These tracks are only suggested course groupings. We encourage you to choose whatever courses are right for you from among the three tracks.

development. Attending a WGM can be a great way to keep up-to-date on what is happening in a particular area, and everyone attending an HL7 WGM is invited to attend any of the work groups.

Please see pages 19–22 for a complete schedule of meeting times throughout the week.

Tutorials

Numerous educational opportunities will be offered at this WGM. Sessions will cover a full range of HL7-specific topics such as clinical genomics, the Clinical Document Architecture (CDA®), Fast Healthcare Interoperability Standards (FHIR®), among others. Educational sessions also include industry topics such as Electronic Health Records and standards for interoperability. For a full listing of course descriptions, please see pages 6–15.

EHR Work Group Mega Report-Out Session

The Electronic Health Records (EHR) Work Group (WG) has hosted a “Mega Report Out” session for the past several years. The session is an excellent opportunity for attendees, especially those attending HL7 for the first time, to understand the scope of activities being pursued by eight to nine clinically-related WGs to develop and evolve functional requirements (what users want their systems to do). Establishing the need by describing detailed functions and conformance criteria is the basis for any user-initiated software development process.

At this Mega Report-Out, the EHR WG and other WG invitees accomplish the following:

1. **Invites.** Request participation from clinically-related WGs, including those participating in joint projects with the EHR WG (e.g., EHR-S FM based Functional Profiles, Emergency Care, Child Health, International Patient Summary)
1. **Reports.** Each WG reports on their current activities and projects.
1. **Collaborates.** We identify common areas of interest and discuss joint projects, current and planned.
1. **Informs/Guides.** We work with attendees (particularly newcomers) to understand their interests/expertise and encourage their participation in related activities throughout the week.

TRACK 1: HL7® FHIR® IN DEPTH

S1

HL7 FHIR Connectathon

Saturday, May 16 / 9:00 am – 10:00 pm

Sunday, May 17 / 9:00 am – 5:00 pm

Registration includes lunch on Saturday and Sunday. Registrants should plan to attend the entire event; no partial registrations will be accepted.

An HL7 Fast Healthcare Interoperability Resources (FHIR®) Connectathon is an opportunity for implementers to participate in developing FHIR solutions and exchange data with other FHIR interfaces. The connectathon is not a formal tutorial. There will be no lectures or presentations. Instead, you'll participate in two days of hands-on development and testing, working directly with other FHIR developers as well as senior members of the FHIR standards development team. The connectathon is a chance to get your hands dirty and learn by helping evolve the FHIR specification.

Participation in the connectathon will be a part of one of several tracks. Participants will be asked to confirm which track they wish to follow a few days in advance of the connectathon (based on their level of readiness as well as area of interest). Details on the scenarios for both tracks as well as information on pre-connectathon discussion forums can be found online at <https://confluence.hl7.org/display/FHIR/2020-05+Connectathon+24>.

By registering for the connectathon, participants authorize HL7 International to share contact information (name, email and organization name) with the FHIR Management Group for the purposes of coordinating connectathon activity. Registrants will be contacted prior to the event regarding intended scenarios, platforms and other information.

There is a cost difference for participants versus observers. The reason for this is two-fold. First, attendees are likely to receive more benefit by participating in FHIR development than by merely watching. Second, HL7 offers a discount to participants due to the beneficial impact of their work on the development of the FHIR specification.

NOTE: If registering as a participant, you will be expected to write at least some software intended to demonstrate FHIR connectivity.

WD1

HL7 FHIR Experience

Wednesday, May 20/ 9:00 am – 5:00 pm

This is a one-day, hands-on FHIR training program. Practical exercises will be used to discuss FHIR theory. The following topics will be covered in this program:

Base standards (including practical exercises):

- FHIR Resources
- RESTFUL API – RESTFUL FHIR
- Searching with FHIR
- FHIR Beyond REST – Paradigms of exchange: FHIR transactions, operations, messages documents, services, batch, bulk transfer and storage
- FHIR Conformance and Terminology – FHIR conformance, constraints, extensions, implementation guides and terminology

This Tutorial Will Benefit:

- Anyone interested in connecting his or her system/app to HL7 FHIR

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain HL7 FHIR fundamental concepts
- Implement API calls using Postman
- Construct simple JavaScript applets that securely query clinical data using FHIR

Faculty:

Diego Kaminker, FHL7: Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 FHIR Fundamentals Course, Argentina; Chief Developer and Manager, Kern-IT SRL

Rik Smithies: Co-Chair, HL7 Clinical Statement Work Group; Technical Chair, HL7 UK; Independent Consultant, NProgram Ltd.



Tutorials at HL7 working group meetings are an additional fee to the daily meeting registration fees. Please note that tutorials listed as free still require payment of the daily meeting fee.

To register for tutorials, please select each tutorial you would like to take on page 23 of the registration form.



HL7 MEETINGS ARE GREEN: Bring your laptop to your tutorials!

To reduce HL7's carbon footprint, its meetings are largely paperless. HL7 no longer provides printed tutorial materials onsite. All materials will be distributed electronically to tutorial participants to either print out themselves or load to their laptops. It is important that you bring your laptop to this meeting for all tutorials. Free WIFI internet access will also be provided. Please note that the materials may be in a zip format. In the event that a tablet is the only accessible device, students should download the appropriate app prior to the course to insure their tablet can open zip files.

M1

HL7 FHIR USING SMART & CDS Hooks

Monday, May 18 / 9:00 am – 12:30 pm

This tutorial will demonstrate how HL7 FHIR can enable EHR systems to incorporate apps, decision support and other external content to provide more configurable solutions that can be customized to support clinician needs.

This Tutorial Will Benefit:

- Decision-makers and software engineers

Upon Completion of this Tutorial, Students Will Be Able To:

- Explain what SMART and CDS Hooks are and how they can be used within EHR systems
- Describe the business model for SMART and CDS integration
- Understand the security and privacy models for each
- Identify how SMART is currently being used by the community

Prerequisites:

- Attendees should understand what FHIR is and how it can be used to address the problem of interoperability in healthcare

Faculty:

Bryn Rhodes: Editor, Clinical Reasoning Module in FHIR; Co-Chair, HL7 Clinical Decision Support Work Group; Member, CDS Hooks PMC; Chief Technology Officer, HarmonIQ Health Systems Corporation

M2

HAPI on FHIR

Monday, May 18 / 9:00 am – 12:30 pm

This tutorial will cover HAPI FHIR (<http://hapifhir.io/>), the reference implementation of HL7 FHIR for Java developers. Topics covered will include working with the FHIR data model, client and server development, validation and other related topics.

This tutorial includes instruction as well as a hands-on component where participants will create a working application on their own laptop.

This Tutorial Will Benefit:

- Java developers looking to get started or improve their skills developing FHIR based solutions

Upon Completion of this Tutorial, Students Will:

- Know the various components of the HAPI FHIR library and explain their uses within an application
- Use the HAPI FHIR library to create a working client application and a working server application on their own laptop

Prerequisites:

- A working knowledge of Java is recommended, but advanced knowledge is not required. Participants are recommended to bring a laptop with a Java IDE installed (Eclipse, IntelliJ, or NetBeans recommended)

Faculty:

James Agnew: Project Lead, HAPI; Chief Technology Officer, Smile CDR; Standards Advisor, Center for Global eHealth Innovation

M4

HL7 FHIR for Analysts

Monday, May 18 / 1:45 pm – 5:00 pm

This course is an overview of the HL7 FHIR health data standard specification, with special attention to concerns faced by clinical analysts, business analysts, information modelers, terminologists, business architects and any non-technical person needing a detailed understanding of how the technology supports information design. The course will explain key priorities of the FHIR design in context of the historical and industry reasons for those priorities, introduce the main features of the design, review modes of implementation and their respective costs and drivers, and look at some of the challenges facing the FHIR community.

This Tutorial Will Benefit:

- Clinical analysts, business analysts, terminologists, information modelers and business architects

Upon Completion of this Tutorial, Students Will Be Able To:

- Explain the rationale behind key FHIR design decisions
- Find specifications for FHIR design patterns
- Apply FHIR designs to local requirements
- Contribute to the planning and execution of an analysis and design project leveraging FHIR technology and information architecture

Faculty:

Jay Lyle: Co-Chair, HL7 Patient Care Work Group; Standards Architect, JP Systems; Terminologist, Veterans Health Administration; Partner, Ockham Information Systems

M5

Understanding and Using Terminology in HL7 FHIR

Monday, May 18 / 1:45 pm – 5:00 pm

Terminology is a required foundational component for interoperable data exchange in HL7 FHIR and other clinical data standards. This tutorial takes an in-depth look at the use of standard terminologies within FHIR artifacts (data types, resources, profiles, etc.). The structures and use of the primary FHIR terminology resources,

operations and coded data types are covered, including how these terminology artifacts and capabilities are used in support of coded elements in other FHIR resources and profiles. The tutorial will also discuss how terminology content and capabilities are made accessible and usable within a FHIR terminology service. Live examples from FHIR terminology servers will be used where possible to examine and illustrate the concepts.

This Tutorial Will Benefit:

- Standards developers, implementers, terminologists, data modelers and architects

Upon Completion of This Tutorial, Students Will Be Able To:

- Describe how code systems, value sets and related vocabulary artifacts and principles are applied within the FHIR terminology resources and data types
- Explain how the FHIR terminology resources and data types support the needs for coded data in other FHIR resources and profiles
- Use the primary FHIR terminology resources, data types and operations for creating specifications and implementing solutions that interoperably represent and exchange coded data
- Describe the typical capabilities and usage scenarios of a FHIR terminology service

Prerequisites:

- Introduction to HL7 FHIR (or equivalent familiarity with the FHIR standard and concepts)
- Introduction to Vocabulary in HL7
- Basic familiarity with one or more standard healthcare terminologies or classifications (e.g., SNOMED CT, LOINC, ICD-10) and terminology artifacts (e.g., code system, value set, mapping)
- FHIR for Specifiers (optional, but may be helpful)

Faculty:

Reuben Daniels: Co-Chair, HL7 Vocabulary Work Group; Member, SNOMED-on-FHIR Work Group; Member, HL7 Terminology Authority; Principal Consultant, Saludax

T7

FHIR Resource Deep Dive

Tuesday, May 19 / 9:00 am – 12:30 pm

Take an interactive deeper dive into FHIR by examining how the universe of FHIR resources represent healthcare concepts and their relationships. This tutorial examines the various categories of FHIR resources and discusses their purpose and application. As we explore the resources, we will discuss nuances such as maturity, flags, and patterns that can help inform your design choices as you apply FHIR to technology solutions in healthcare.

This Tutorial Will Benefit:

- Analysts, developers and anyone with an interest in a deeper understanding of the FHIR specification and how the domains of healthcare are represented

Upon Completion of This Tutorial, Students Will Be Able To:

- Describe and compare the categories of resources in the FHIR
- Discuss the different kinds of FHIR resources available and how they support healthcare interoperability
- Explore how FHIR resources are interrelated
- Interpret nuances in FHIR resource documentation such as maturity, flags and patterns
- Discuss and select resources for a specific use case

Prerequisites:

- Introduction to FHIR or equivalent
- Basic knowledge of FHIR
- Additional knowledge in either healthcare domain, health IT, software development or HL7 standards development will enhance the student's participation

Faculty:

Virginia Lorenzi, FHL7: Chair, HL7 Education Advisory Council; HL7 Volunteer of the Year Award Recipient; Manager, HIT Standards and Collaborations, New York Presbyterian Hospital

T8

FHIR Questionnaires and Structured Data Capture

Tuesday, May 19 / 9:00 am – 12:30 pm

Forms, questionnaires, checklists and other data entry tools permeate healthcare. They are completed by patients, caregivers, staff and clinicians for administrative, clinical, financial, research and other purposes.

HL7 FHIR provides basic support for using forms to capture and display data. The new version of the Structured Data Capture Implementation Guide provides significantly increased capabilities, including enhanced rendering and control, the ability to automatically populate forms with existing data and extract information from completed forms into FHIR resources.

This tutorial will help students use FHIR questionnaires in ways that reflect the capabilities often demanded of paper and PDF forms in the healthcare space, while leveraging the data-integration capabilities FHIR provides.

This Tutorial Will Benefit:

- Data analysts, FHIR architects, form designers, app developers and others who design forms for data capture

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain when to use QuestionnaireResponse vs. other resources to capture, share and access data
- Create a simple FHIR Questionnaire instance
- Understand and explain the trade-offs in the techniques for pre-populating and extracting information from FHIR QuestionnaireResponse instances
- Select among the various extension mechanisms that can be used to control the behavior and appearance of questionnaire instances
- Use FHIR's workflow capabilities to request and track completion of forms by patients and others

Prerequisites:

- Basic understanding of FHIR
- For hands-on portion, familiarity with XML or JSON and access to an appropriate editor

Faculty:

Lloyd McKenzie, Peng, FHL7: Co-Editor, HL7 FHIR; Co-Chair, HL7 FHIR Infrastructure Work Group; Member, HL7 FHIR Management Group; Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator-at-Large; Senior Consultant, Information Technology Services, Gevity Consulting Inc.

T10**Mapping V2 & CDA to FHIR**

Tuesday, May 19 / 1:45 pm – 5:00 pm

This tutorial provides an overview of the relevant FHIR features which can help with a successful integration into Version 2 (V2) and Clinical Document Architecture (CDA®) environments.

This Tutorial Will Benefit:

- Implementers, integration specialists and consultants working on solutions that need to support HL7 V2, HL7 CDA and FHIR

Upon Completion of This Tutorial, Students Will Be Able To:

- Understand advanced aspects of the FHIR specification relevant to the issue of integrating an event-driven, message-based standard with a query-driven, REST-based approach
- Work with the architecture of a FHIR bundle that supports the communication of V2 and CDA messages to FHIR endpoints

Faculty:

Jean Duteau: Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Pharmacy Work Group; International Representative, HL7 Technical Steering Committee; Member, HL7 Education Advisory Council; Consultant, Duteau Design Inc.

T11**HL7 FHIR Profiling**

Tuesday, May 19 / 1:45 pm – 5:00 pm

HL7 FHIR provides a set of building blocks from which interoperability solutions can be created. Profiles combine those blocks into solutions, serving a similar purpose to implementation guides, templates, archetypes and detailed clinical models associated with other HL7 standards.

This tutorial will demonstrate how to use profiles to shape the FHIR core specification for use in a specific national, regional or organizational context.

This Tutorial Will Benefit:

- Data modelers, standards developers and HL7 Version 3 template authors who want to start using FHIR

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain what the FHIR conformance layer is and how it is used to profile FHIR for a specific context or use case
- Describe the principal profiling components of the FHIR conformance layer
- Describe the available FHIR conformance resources (structure definition, operation definition, search parameter, value set, concept map)
- Identify how domain information requirements translate to conformance resources
- Explain how conformance resources are used to compose an implementation guide
- Write a FHIR value set and structure definition for a single resource
- Explain where and how to register and find existing conformance resources

Prerequisites:

- Introduction to HL7 FHIR

Faculty:

Richard Ettema: Member, HL7 FHIR Infrastructure Work Group; Member, HL7 Conformance Work Group; Lead Consultant, Touchstone and Senior Architect and Author, WildFHIR Test Server, AEGIS.net, Inc.

T12**FHIR Security & Privacy**

Tuesday, May 19 / 1:45 pm – 5:00 pm

This tutorial describes how to protect a FHIR server (through access control and authorization), how to document what permissions a user has granted (consent), how to enable appropriate access by apps and users, and how to keep records about what events have been performed (audit logging and provenance). FHIR does not mandate a single technical approach to security and privacy; rather, the specification provides a set of building blocks that can be applied to create secure, private systems.

This Tutorial Will Benefit:

- Privacy advocates and security architects
- Developers, implementers and integrators who are building and maintaining FHIR systems and infrastructure
- App developers building SMART on FHIR applications
- Standards authors wanting to make the FHIR specifications more secure

Upon Completion of This Tutorial, Students Will:

- Have a working understanding of FHIR Privacy and Security mechanics
- Have introductory knowledge about Attribute Based Access Control use of FHIR Security mechanics
- Have a clear understanding of the FHIR Consent Resource
- Be able to apply FHIR Audit and how it informs security audit and privacy access reports
- Be able to apply these mechanics to various real-world use cases

Prerequisites:

- Familiarity with FHIR resource model and interaction model
- Familiarity with http REST concept

Faculty:

John Moehrke: Co-Chair, HL7 Security Work Group; Member, HL7 FHIR Management Group; Co-Chair; IHE IT Infrastructure Planning Committee; Standards Architect, By Light Professional IT Services Inc.

The Da Vinci Project: Overview & Data Burden Reduction

Wednesday, May 20 / 9:00 am – 12:30 pm

Q1: Da Vinci Overview

The healthcare ecosystem is transitioning from a fee-for-service model to a value-based care model. To support this transition, the Da Vinci Project was formed in 2018 to identify and address the interoperability needs of providers, payers and patients using HL7 FHIR. Participants will gain understanding of the Da Vinci use case development process, implementation guides and reference implementations. This session will review all of the Da Vinci use cases at a high level as well as their current state of maturity and adoption.

This Tutorial Will Benefit:

- Analysts, architects, business subject matter experts, product managers, engineers, business strategy and policy leadership

Upon Completion of This Tutorial, Students Will Be Able To:

- Understand the Da Vinci use case identification and development process
- Understand use cases that are planned, in-flight and completed
- Apply the use case implementation guides to their own organizations
- Understand the role of reference implementations for the use cases

Faculty:

Viet Nguyen, MD: Technical Director, HL7 Da Vinci Project; Physician Informaticist & Founder, Stratametrics, LLC

Q2: Da Vinci Data Burden Reduction

Founded in 2018, Da Vinci is the private sector initiative focused on developing the critical standards needed to support providers and payers in value-based care initiatives. This session will provide a detailed review of the workflows, actors and scenarios supporting in the Da Vinci burden reduction implementation guides. Participants will review goals of the project as well as take a deep dive into the following implementation guides, reference implementations and supporting materials. The instructor will offer assessment on the maturity and use of each guide in industry today, such as:

- Coverage Requirements Discovery (CRD)
- Document Templates & Rules (DTR)
- Prior Authorization Support (PAS)

This Tutorial Will Benefit:

- Analysts, architects, business subject matter experts, product managers, engineers, business strategy and policy leadership

Upon Completion of This Tutorial, Students Will Be Able To:

- Understand the Da Vinci use case identification and development process
- Understand use cases that are planned, in-flight and completed
- Apply the use case implementation guides to their own organizations
- Understand the role of reference implementations for the use cases
- Explain roles, workflows and scenarios supported by burden reduction use cases

Faculty:

Robert Dieterle: Burden Reduction Project Lead, HL7 Da Vinci Project; Program Advisor, CEO, Enablecare, LLC

W14

C-CDA on FHIR

Wednesday, May 20 / 9:00 am – 12:30 pm

C-CDA on FHIR is an HL7 implementation guide that expresses the core Consolidated CDA (C-CDA) use case using FHIR resources. This tutorial will provide an overview of FHIR documents, the C-CDA on FHIR profiles, and discuss migration strategies when moving from Clinical Document Architecture (CDA®) to FHIR and vice versa.

This Tutorial Will Benefit:

- CDA implementers wishing to move to FHIR and FHIR implementers wishing to learn about FHIR documents

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the structure of FHIR documents
- Find and explain the C-CDA on FHIR profiles
- Strategize ways to move content between CDA and FHIR formats

Prerequisites:

- Introduction to HL7 FHIR or equivalent experience (i.e. Connectathon participation, etc.)
- A basic knowledge of CDA

Faculty:

Rick Geimer: Co-Chair, HL7 FHIR Infrastructure Work Group; Member, HL7 Structured Documents Work Group; Chief Technology Officer, Lantana Consulting Group

W15

The Da Vinci Project: Quality Measures & Data Exchange Supporting Use Cases

Wednesday, May 20 / 1: 30 pm – 5:00 pm

Q3: Da Vinci Quality Measures & Supporting Use Cases

Founded in 2018, Da Vinci is the private sector initiative focused on developing the critical standards needed to support providers and payers in value-based care initiatives. This session will provide a detailed review of the workflows, actors and scenarios supporting in the Da Vinci measures and supporting implementation guides. Participants will review goals of the project as well as take a deep dive into the following implementation guides, reference implementations and supporting materials. The instructor will offer assessment on the maturity and use of each guide in industry today, such as:

- Data Exchange for Quality Measures (DEQM)
- Gaps in Care (GIC)
- Risk Based Member Identification

This Tutorial Will Benefit:

- Analysts, architects, business subject matter experts, product managers, engineers, business strategy and policy leadership

Upon Completion of This Tutorial, Students Will Be Able To:

- Understand the Da Vinci use case identification and development process
- Understand use cases that are planned, in-flight and completed
- Apply the use case implementation guides to their own organizations
- Understand the role of reference implementations for the use cases
- Explain roles, workflows and scenarios supported by Quality measures and supporting use cases

Faculty:

Linda Michaelsen: Member, ONC FAST Coordinating Committee; Member, Steering Committee, HL7 Argonaut Project; Member, HL7 CDA Management Group; Co-Chair, HL7 Payer User Group, Da Vinci Quality Measures Subject Matter Expert; Director of Healthcare Interoperability Standards, Optum

Q4: Da Vinci Data Exchange & Supporting Use Cases

Founded in 2018, Da Vinci is the private sector initiative focused on developing the critical standards needed to support providers and payers in value-based care initiatives. This session will provide a detailed review of the workflows, actors and scenarios supporting in the Da Vinci data exchange and supporting implementation guides. Participants will review goals of the project as well as take a deep dive into the following implementation guides, reference implementations and supporting materials. The instructor will offer assessment on the maturity and use of each guide in industry today, such as:

- Clinical Data Exchange (CDex)
- Payer Data Exchange (PDex)
 - Formulary
 - Directory
 - Coverage Decision Exchange
- Notifications

This Tutorial Will Benefit:

- Analysts, architects, business subject matter experts, product managers, engineers, business strategy and policy leadership

Upon Completion of This Tutorial, Students Will Be Able To:

- Understand the Da Vinci use case identification and development process
- Understand use cases that are planned, in-flight and completed

- Apply the use case implementation guides to their own organizations
- Understand the role of reference implementations for the use cases
- Explain roles, workflows and scenarios supported by data exchange use cases

Faculty:

Mark Scrimshire: Payer Data Exchange Leader, HL7 Da Vinci Project; Exchange Lead and Entrepreneur in Residence, New Wave Technologies

W16

Strategies and Techniques for the Use of Terminology and Terminology Services in FHIR Applications

Wednesday, May 20 / 1:45 pm – 5:00 pm

Terminology is a required foundational component for interoperable data exchange in HL7 FHIR and other clinical data standards. This tutorial takes a deeper look at the use of standard terminologies and FHIR terminology services in FHIR implementation guides and applications.

Topics To Be Covered May Include the Following:

- Further exploration of primary FHIR terminology service operations (\$expand, \$lookup, \$validate-code, \$subsumes, \$translate)
- Advanced terminology searching techniques
- FHIR implicit value sets (SNOMED CT and other)
- SNOMED CT Expression Constraint Language (ECL) in value set definitions
- Code system supplements

Live examples from FHIR terminology servers and applications will be used where possible to examine and illustrate the concepts.

This Tutorial Will Benefit:

- Standards developers, implementers, terminologists, data modelers and architects

Upon Completion of This Tutorial, Students Will Be Able To:

- Use FHIR terminology resources, data types and operations for creating specifications and implementing solutions that interoperably represent and exchange coded data
- Consider when and how to use terminology-based searching in applications
- Define and use FHIR implicit value sets
- Understand and use advanced terminology capabilities including SNOMED CT ECL
- Understand and use code system supplements

Prerequisites:

- Understanding and Using Terminology in HL7 FHIR (or equivalent)
- Introduction to HL7 FHIR (or equivalent familiarity with the FHIR standard and concepts)
- Experience with use of standard healthcare terminologies or classifications (e.g., SNOMED CT, LOINC, ICD-10, RxNorm, UCUM, others) in clinical messaging, document or API standards (e.g., HL7 V2, CDA, FHIR, openEHR, etc.)

Faculty:

Rob Hausam, MD: Co-Chair, HL7 Orders and Observations Work Group; Co-Chair, HL7 Vocabulary Work Group; Vocabulary Facilitator, HL7 Orders and Observations and Structured Documents Work Groups; Principal, Hausam Consulting LLC

TH17

Clinical Quality & Decision Support on FHIR

Thursday, May 21 / 9:00 am – 12:30 pm

Clinical quality improvement is an important aspect of healthcare delivery and relies on the ability to both measure and influence clinical care. This tutorial will look at how the FHIR Clinical Reasoning module can be used to share computable clinical knowledge, and how that knowledge can be incorporated in a continuous quality improvement cycle.

This Tutorial Will Benefit:

- Clinical software system developers, implementers and integrators
- Decision support service providers and consumers
- Quality reporting vendors and consumers

Upon Completion of this Tutorial, Students Will Be Able To:

- Know what FHIR resources and implementation guides are available for clinical quality improvement
- Explain how the FHIR Clinical Reasoning module can be used to share and evaluate computable quality improvement artifacts
- Use available tools and technologies to help implement clinical quality improvement

Prerequisites:

- Familiarity with FHIR and FHIR profiling through implementation guides
- Familiarity with CDS Hooks helpful

Faculty:

Bryn Rhodes: Editor, Clinical Reasoning Module in FHIR; Co-Chair, HL7 Clinical Decision Support Work Group; Member, CDS Hooks PMC; Chief Technology Officer, HarmonIQ Health Systems Corporation

TRACK 2 – INTRODUCTORY TOPICS

M3 Introduction to HL7 Standards for Interoperability

Monday, May 18 / 9:00 am – 12:30 pm

This tutorial provides a survey of the healthcare interoperability standards landscape, pointing out the main features of the terrain and how they link together to perform useful functions. It consists of three main sections covering (1) messaging standards such as HL7 Version 2 and Version 3, (2) clinical document standards such as Clinical Document Architecture (CDA®), Continuity of Care Document (CCD®), Continuity of Care Record (CCR) and IHE XDS, and (3) terminology standards, such as SNOMED CT and LOINC. It explains how and why these were developed and their complementary roles, each best suited to specific tasks.

In the time available, the treatment of each standard is necessarily brief, but this tutorial will provide an introduction to other, more detailed, tutorials.

This Tutorial Will Benefit:

- Relative newcomers to healthcare interoperability who are still unsure about how everything fits together

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain how the main healthcare interoperability standards relate to each other and choose which is most suited for specific roles

Faculty:

Gora Datta: Member, Education Advisory Council; Co-Chair, HL7 Mobile Health Work Group; Group Chairman & CEO, CAL2CAL Corporation

M6 Introduction to HL7 FHIR

Monday, May 18 / 1:45 pm – 5:00 pm

HL7 Fast Healthcare Interoperability Resources (FHIR®) provides domain friendly wire formats compatible across the document, messaging, services and RESTful paradigms. This tutorial is intended for those who want to learn more about FHIR, what it can do and how their organization might best take advantage of it.

This Tutorial Will Benefit:

- Anyone involved in the designing, developing, implementing and supporting the use of HL7 FHIR

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the main principles underlying the FHIR methodology

- Describe the characteristics of a FHIR resource and understand the contents of a resource definition
- Explain the relationship between FHIR and other HL7 standards such as Version 2, Version 3 messaging and CDA
- List some of the key FHIR infrastructure resources and explain how they are used to support the four FHIR interoperability paradigms
- Help their organization to determine if, when, where and how they might implement FHIR

Faculty:

John Hatem, MSN, MBA, FHL7: Co-Chair, HL7 Pharmacy Work Group; Adjunct Faculty, University of Colorado, College of Nursing

T9

Introduction to HL7 FHIR for Software Developers

Tuesday, May 19 / 9:00 am – 12:30 pm

This tutorial takes an in-depth look into the infrastructure sections of the HL7 FHIR specification. It will provide insight on how to design, develop and test software that uses the HL7 FHIR interoperability standard—all the way from the wire-format up to validation and storage.

This Tutorial Will Benefit:

- Software developers, team leads and infrastructure architects

Upon Completion of This Tutorial, Students Will Be Able To:

- List the four of interoperability paradigms supported by HL7 FHIR
- Describe the FHIR REST service operations and how to implement them
- Explain how the XML and JSON wire formats are used in HL7 FHIR
- Explain versioning and bundles
- Compare strategies for using object models, validation and (de)serialization
- Use relational or document-oriented storage for persistence of resources
- Implement search functionality

Prerequisites:

- An Introduction to HL7 FHIR

Faculty:

Richard Ettema: Member, HL7 FHIR Infrastructure Work Group; Member, HL7 Conformance Work Group; Lead Consultant, Touchstone and Senior Architect and Author, WildFHIR Test Server, AEGIS.net, Inc.

TH18

Forms, Flowsheets, and Other Tools for a FHIR-Enabled Clinical Data Repository

Thursday, May 21 / 9:00 am – 12:30 pm

This workshop will present a variety of Lister Hill National Center for Biomedical Communications (LHC) / National Library of Medicine (NLM), open source, web-based JavaScript tools for inputting clinical data to, and outputting such data from, any FHIR server.

This Tutorial Will Benefit:

- Clinicians, software developers and healthcare organization managers/leaders interested in the use of FHIR to manage clinical data

Upon Completion of This Tutorial, Students Will Be Able To:

- Understand the capabilities and how to use a variety of LHC tools for manipulating clinical data including:
 - Overview and relationship among FHIR data capture tools and SMART on FHIR
 - LHC-Forms for rendering FHIR questionnaire and SDC into executable web-based forms
 - LOINC panels-> forms
 - Autocomplete access to external code systems as answers in forms
 - FHIRPath for calculations in forms
 - LHC Form Builder to create FHIR Questionnaire and SDC forms
 - Clinical Table Search Service for autocomplete access to clinical coding systems from forms
 - Experience with loading large files—the grist for flowsheets—into HAPI FHIR server
 - Use the LHC Flowsheet on FHIR for displaying FHIR medical record content with the following: spark line graphs, collapsible rows and columns, and retention of user focus with un-collapse, unit conversion
 - Control table for LHC Flowsheet
 - Unified Code for Units of Measure (UCUM) units of measure converter for LHC Flowsheet

Prerequisites:

- Some familiarity with medical records and their content; e.g. observations, coding system orders, etc.
- Awareness of FHIR and its growing importance as ecosystem for implementing health informatics functions

Faculty:

Clem McDonald, MD, FHL7: Chief Health Data Standards Officer, National Library of Medicine

TRACK 3— HL7 PROCESS AND GENERAL INTEREST TOPICS

F1

Orientation for First-Time Attendees – FREE TUTORIAL

Monday, May 18 / 7:00 am – 8:00 am

This is a special orientation session for first-time attendees. It will give those new to HL7 the lay of the land and help ensure they get the very most out of their first working group meeting experience. The session will consist of a quick meeting overview and a question and answer session that will help attendees make informed choices and maximize their time at the meeting.

Faculty:

Line Saele: Chair, HL7 Norway; Co-Chair, HL7 International Council; Chair, HL7 Affiliate Due Diligence Committee; Co-Chair, HL7 Patient Administrative Work Group

F2

ISO IDMP, Substances and Allergies – FREE TUTORIAL

Monday, May 18 / 7:00 am – 8:00 am

The ISO IDMP (Identification of Medicinal Product) standards have been revised, completed, and are now entering in their implementation phases (especially in Europe and in synchronization with the US).

IDMP includes a strong focus on substances of all kinds. Substances and their unique identification are essential to IDMP. Substances are captured with a wide number of attributes including allergies.

Some HL7 work groups have allergies on their agenda, and this tutorial is built to demonstrate with the publicly accessible G-SRS database what Patient Care was addressing at its Madrid meeting.

This Tutorial Will Benefit:

- HL7 experts who are interested in learning about IDMP and have a focus on substances. HL7 experts interested in secondary use of IDMP data

Upon Completion of This Tutorial, Student Will Have Obtained:

- An understanding on ISO IDMP standards and how medicinal product information is structured for regulatory and clinical benefits
- How to access the information and how to leverage this wealth of knowledge for secondary use

Faculty:

Christian Hay: GS1 Switzerland; Delegate Healthcare, Convenor, ISO TC 215 WG 6

F3

Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL

Tuesday, May 19 / 7:00 am – 8:00 am

This session will provide an overview of HL7 International from the governance structure to the work groups.

This Tutorial Will Benefit:

- First-time attendees and anyone interested in learning more about the processes and organization of HL7 International

Upon Completion of this Tutorial, Students Will Be Able To:

- Explain how HL7 International is structured
- List the types of products that HL7 International produces
- Discuss the subject domains that HL7 standards cover
- Describe the working group meeting format
- Explain how HL7 International ballots

Faculty:

Line Saele: Chair HL7 Norway; Co-Chair, HL7 International Council; Chair, HL7 Affiliate Due Diligence Committee; Co-Chair, Patient Administrative Work Group

Erin Holt: Co-Chair, HL7 Public Health Work Group; Epidemiologist, Tennessee Department of Health

F4

How to Get HL7 Certified – FREE TUTORIAL

Tuesday, May 19 / 7:00 am – 8:00 am

HL7 offers certification and proficiency testing to assess the knowledge and proficiency of its most frequently used health information technology (HIT) standards: HL7 Version 2, HL7 Version 3, HL7 CDA and HL7 FHIR.

HL7 certification helps professionals achieve industry-recognized levels of proficiency and expertise. Increase your career opportunities and stand out from the crowd by becoming HL7 certified.

As an employer, you need a quality team dedicated to solving today's interoperability challenges. Hiring an HL7 certified professional gives you confidence in the individual's specialized knowledge and skills. These experts demonstrate a commitment to excellence required to address the rapidly evolving field of healthcare.

This tutorial will explain how to get you or your employee certified.

Faculty:

Dr. Sadhana Alangar: Director of Education, HL7 International

Virginia Lorenzi, FHL7: Chair, HL7 Education Advisory Council; HL7 Volunteer of the Year Award Recipient; Manager, HIT Standards and Collaborations, New York Presbyterian Hospital

F5

GS1 Standards for Supply Chain Meets HL7 – FREE TUTORIAL

Wednesday, May 20 / 7:00 am – 8:00 am

This session will offer insight on what GS1 provides in the open supply chain to secure item traceability, and how traceability should be extended in provider's internal supply chain. The tutorial will be based on a document which provides extensive information about traceability, by including "order to cash," master database (shared catalogues), stock management, including for consignment products, etc.

The session will strongly focus on EPC IS (electronic product code information service), which is one of the GS1 standards and how it enables event tracking. It will also include a brief introduction to the UNSPSC (United Nations Standard Products and Services Code), a classification system increasingly used in the healthcare industry.

Documentation

- The reference documentation should be downloaded prior the tutorial from: http://www.gs1.ch/docs/default-source/gsl-system-document/healthcare/scm_in_ch_gesundheitswesen_1-3_en.pdf?sfvrsn=4
- It is also useful to have consulted the following documentation:
 - Information about EPC IS: www.gs1.org/epcis
 - Information about UNSPSC: www.unspsc.org

This Tutorial Will Benefit:

- HL7 experts who are interested in learning about GS1 and its use in the healthcare industry. Key words: UDI, falsified medicines, event management; subject of care identification, location identification, item identification
- HL7 experts from most of the work groups where physical identification plays a role – such as Patient Administration, Patient Care, Health Care Devices, Pharmacy and many others

Faculty:

Christian Hay: GS1 Switzerland; Delegate Healthcare, Convenor, ISO TC 215 WG 6

Topic	Class ID	Instructor	SAT	SUN	MON AM	MON PM	TUE AM	TUE PM	WED AM	WED PM	THU AM	THU PM
Track 1: HL7® FHIR® in Depth												
HL7 FHIR Connectathon	S1	Grieve Kramer McKenzie	★	★								
HL7 FHIR Experience	WD1	Kaminker Smithies							★	★		
HL7 FHIR Using SMART & CDS Hooks	M1	Rhodes			★							
HAPI on FHIR	M2	Agnew			★							
HL7 FHIR for Analysts	M4	Lyle				★						
Understanding and Using Terminology in HL7 FHIR	M5	Daniels				★						
FHIR Resources Deep Dive	T7	Lorenzi					★					
FHIR Questionnaires and Structured Data Capture	T8	McKenzie					★					
Mapping V2 & CDA to FHIR	T10	Duteau						★				
HL7 FHIR Profiling	T11	Ettema						★				
FHIR Security & Privacy	T12	Moehrke						★				
The Da Vinci Project: Overview & Data Burden Reduction	W13	Nguyen Dieterle							★			
C-CDA on FHIR	W14	Geimer							★			
The Da Vinci Project: Quality Measures & Data Exchange Supporting Use Cases	W15	Michaelson Scrimshire								★		
Strategies and Techniques for the Use of Terminology and Terminology Services in FHIR Applications	W16	Hausam								★		
Clinical Quality & Decision Support on FHIR	TH17	Rhodes									★	
Track 2: Introductory Topics												
Introduction to HL7 Standards for Interoperability	M3	Datta			★							
Introduction to HL7 FHIR	M6	Hatem				★						
Introduction to HL7 FHIR for Software Developers	T9	Ettema					★					
Forms, Flowsheets, and Other Tools for a FHIR-Enabled Clinical Data Repository	TH18	McDonald									★	
Track 3: HL7 Process and General Interest Topics—FREE TUTORIALS												
Orientation for First-Time Attendees	F1	Saele			7-8							
ISO IDMP, Substances and Allergies	F2	Hay			7-8							
Understanding the HL7 International Organization – From Process to Governance	F3	Saele Holt					7-8					
How to Get HL7 Certified	F4	Alangar Lorenzi					7-8					
GS1 Standards for Supply Chain Meets HL7	F5	Hay							7-8			

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Anesthesia	Will not meet in May											
Architectural Review Board	Q2		Q2							Q3		
Arden Syntax			★	★	Q1							
Attachments					★	★	★	★	★			
Biomedical Research & Regulation			★	★	★	★	★	★	★	★		
Board of Directors' Meeting					★	Lunch & ★						
Clinical Decision Support				★	★	★	★	Q3				
CDA Management Group				Q4								
Clinical Genomics				★	★	★	★	★				
Clinical Information Modeling Initiative	★	★		★	★	Lunch & Q4	Q1	★		Q4		
Clinical Interoperability Council				Q4		Q3	★	★		Q4		
Clinical Quality Information			Q2	Q3	★	★	★	★				
Clinicians on FHIR								Lunch			★	Q3
Co-Chair Information				5:15-7:00								
Community Based Care and Privacy				★	Q2	★	★	★	Q2	★		
Conformance			Q1	★	★	Q3	Q2	Q3	★			
Cross Group Projects			Q2							Q4		
Education				Lunch & ★					★			
Electronic Health Records			★	★	★	★	★	★	★	★		
Electronic Services and Tools					Q1		Q1	Q3	★			
Emergency Care				Q4	★	Q4		Q4		Q3		
Facilitators' Roundtable Meeting										5:30-6:30		
FHIR Connectathon (Note: There is also a meeting scheduled for Saturday, 9/29/2020, 9:00 am-10:00 pm)	★	★										
FHIR Infrastructure			★	★ & 7:00-10:00	★	Lunch & ★	★	★	★	Q3 & 5:30-6:30		
FHIR Management Group		Lunch		Lunch						Q4		
Financial Management			★	★		★	★	★	★			
Governance and Operations Committee								Lunch				
Government Projects							Q2					
HL7 Terminology Authority	★											
Health Care Devices			★	★	★	★	★	★	★	★	★	
Imaging Integration				Q4	★	Q3	Q1	★	★			
Implementable Technology Specifications					★	★						
Infrastructure & Messaging				Q4	★	★			Q1			
International Council		Lunch & ★							★	Lunch & Q3		
Learning Health Systems					Q1			Q3	Q1	Q4		

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm; ★ AM = 9:00 am – 12:30 pm; ★ PM = 1:45 – 5:00 pm

DISCLAIMER: Meeting times are subject to change.

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Mobile Health					Q1		★	★	★			
Modeling & Methodology				Q4	Q2		★	Q3		5:30-6:30		
Networking Reception								5:15-6:45				
Nurses Breakfast/Meeting					7:00-8:00							
Orders & Observations			★	★	7:00-8:00 & ★	★	★	★	7:00-8:00 & ★	★	Q1	
Patient Administration			★	★	★	★	★	★	★	★		
Patient Care			★	Q4	★	★	★	Lunch & Q4	★	Lunch & Q4		
Patient Empowerment			★			5:15-6:15		★				
Payer/Provider Information Exchange						Q4	★	★	★	★		
Payer Summit			★	★	★	Q3						
Pharmacy			★	★	★	★	★	Q4	★	★		
Physicians Breakfast/Meeting							7:00-8:00					
Policy Advisory Committee	★		★				★					
Process Improvement Committee								Q3				
Project Services										Q3		
Public Health			★	★	★	★	★	★	★	Q3		
Security				★	★	★	★	★	★			
Services Oriented Architecture				★	★	★	★	★				
Standards Governance Board	Q2										★	
Steering Divisions: Administrative Clinical Infrastructure Organizational Support				7:00-8:30								
Structured Documents			★	★	★	★	★	★	★	★		
Technical Steering Committee (Note: There is also a meeting scheduled for Saturday, 5/16, 9:00-5:00 pm)		5:15-6:15		5:15-6:15			7:00-8:00	Lunch				
Terminology Authority	★					Q3						
US Realm Steering Committee				Q3								
V2 Management Group			Q2		7:00-8:00		Q1					
Vocabulary			★	★	★	★	★	★	★	★ & 5:30-6:30		

Q1 = 9:00 – 10:30 am; **Q2** = 11:00 – 12:30 pm; **Q3** = 1:45 – 3:00 pm; **Q4** = 3:30 – 5:00 pm; ★ AM = 9:00 am – 12:30 pm; ★ PM = 1:45 – 5:00 pm

DISCLAIMER: Meeting times are subject to change.

REGISTRATION HOURS

Saturday – Sunday	8:00 – 5:00 pm	Registration
Monday – Tuesday	7:00 – 5:00 pm	Registration
Wednesday – Thursday	7:30 – 5:00 pm	Registration
Friday	8:00 – 1:00 pm	Staff on Hand for Assistance

MEALS AND BREAKS

Saturday – Friday	7:30 – 8:30 am	Light Continental Breakfast
Saturday – Friday	10:30 – 11:00 am	Morning Break
Saturday – Sunday	12:30 – 1:30 pm	Lunch
Monday – Friday	12:30 – 1:30 pm	Lunch
Saturday – Thursday	3:00 – 3:30 pm	Afternoon Break

GENERAL SESSION ROOM

Please plan to attend the Monday through Thursday morning General Sessions for daily highlights, meeting announcements and changes.

Monday	8:30 – 12:30 pm	HL7 CEO, and International Council Reports, Announcements
Tuesday	8:00 – 8:45 am	HL7, CTO, and TSC Reports, Announcements
Wednesday	8:00 – 8:45 am	HL7 Board Report, Awards Presentations, Announcements
Thursday	8:00 – 8:45 am	Announcements
Friday	NO GENERAL SESSION	

Meeting times and locations are subject to change.

Note: In compliance with our status as an ANSI-accredited standards developing organizations, those HL7 meetings related to the development of standards are open.

Meetings

ANESTHESIA (GAS)

Will not be meeting in May

ARCHITECTURAL REVIEW BOARD (ARB)

Sunday	11:00 – 12:30 pm	Hosting: SGB
Monday	11:00 – 12:30 pm	MEETING
Thursday	1:45 – 3:00 pm	MEETING

ARDEN SYNTAX (AS)

Monday	9:00 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/ CDS

ATTACHMENTS

Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING

BIOMEDICAL RESEARCH AND REGULATION (BR&R)

Monday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: Pharm
	3:30 – 5:00 pm	MEETING
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/ LHS, CIMI
	3:30 – 5:00 pm	Joint w/ PC
Thursday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 5:00 pm	MEETING

BOARD OF DIRECTORS' MEETING

Tuesday	9:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Luncheon Meeting
	1:45 – 5:00 pm	MEETING

CLINICAL DECISION SUPPORT (CDS)

Monday	1:45 – 3:00 pm	Joint w/ O&O, CIMI, CQI
	3:30 – 5:00 pm	Joint w/ FHIR-I, FM, IL, InM, MnM, PC
Tuesday	9:00 – 10:30 am	Hosting: AS
	11:00 – 12:30 pm	Joint w/ CQI, FHIR-I
	1:45 – 3:00 pm	Hosting: CQI, FHIR-I
	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: CIMI, CQI
	11:00 – 12:30 pm	Joint w/ CQI
	1:45 – 3:00 pm	Hosting: CQI

CDA MANAGEMENT GROUP

Monday	3:30 – 5:00 pm	MEETING
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CLINICAL GENOMICS (CLIN GEN)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FHIR-I
Tuesday – Wednesday	9:00 – 5:00 pm	MEETING

CLINICAL INFORMATION MODELING INITIATIVE (CIMI)

Sunday	9:00 – 5:00 pm	MEETING
Monday	1:45 – 3:00 pm	Joint w/ O&O, CDS, CQI
	3:30 – 5:00 pm	Joint w/ Voc
Tuesday	9:00 – 10:30 am	Joint w/ PC, EC, LHS
	11:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Luncheon Meeting Hosting: FHIR-I
	3:30 – 5:00 pm	Joint w/ PC, CQI, Voc
Wednesday	9:00 – 10:30 am	Joint w/ CQI, CDS
	1:45 – 3:00 pm	Joint w/ LHS, BR&R
	3:30 – 5:00 pm	Joint w/ CIC
Thursday	3:30 – 5:00 pm	Joint w/ LHS, CIC, PC

CLINICAL INTEROPERABILITY COUNCIL (CIC)

Monday	3:30 – 5:00 pm	MEETING
Tuesday	1:45 – 3:00 pm	MEETING
Wednesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: CIMI
Thursday	3:30 – 5:00 pm	Joint w/ LHS, CIMI, PC

CLINICAL QUALITY INFORMATION (CQI)

Monday	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/ O&O, CDS, CIMI
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: CDS, FHIR-I
	1:45 – 3:00 pm	Joint w/ CDS, FHIR-I
	3:30 – 5:00 pm	Joint w/ PC, CIMI, Voc
Wednesday	9:00 – 10:30 am	Joint w/ CDS, CIMI
	11:00 – 12:30 pm	Hosting: CDS
	1:45 – 3:00 pm	Joint w/ CDS
	3:30 – 5:00 pm	MEETING

CLINICIANS ON FHIR

Wednesday	12:30 – 1:30 pm	Luncheon Meeting
Friday	9:00 – 3:00 pm	MEETING

Meetings

CO-CHAIR INFORMATION

Monday 5:15 – 7:00 pm Co-Chairs Dinner/ Meeting

COMMUNITY BASED COLLABORATIVE CARE AND PRIVACY (CBCP)

Monday 1:45 – 5:00 pm Hosting: Security
 Tuesday 11:00 – 5:00 pm MEETING
 Wednesday 9:00 – 10:30 am Joint w/ EHR, FHIR-I, Sec
 11:00 – 12:30 pm MEETING
 1:45 – 3:00 pm Joint w/ Sec, FHIR-I
 3:30 – 5:00 pm MEETING
 Thursday 11:00 – 12:30 pm Hosting: FHIR-I
 1:45 – 5:00 pm MEETING

CONFORMANCE (CGIT)

Monday 9:00 – 10:30 am MEETING
 1:45 – 5:00 pm MEETING
 Tuesday 9:00 – 12:30 pm MEETING
 1:45 – 3:00 pm Joint w/ InM
 Wednesday 11:00 – 12:30 pm MEETING
 1:45 – 3:00 pm Hosting: FHIR-I
 Thursday 9:00 – 10:30 am Joint w/ Voc, InM
 11:00 – 12:30 pm Joint w/ Voc

CROSS GROUP PROJECTS (CGP)

Monday 11:00 – 12:30 pm MEETING
 Thursday 3:30 – 5:00 pm MEETING

EDUCATION

Monday 12:30 – 1:30 pm Luncheon Meeting
 1:45 – 5:00 pm MEETING
 Thursday 9:00 – 12:30 pm MEETING

ELECTRONIC HEALTH RECORDS (EHR)

Monday 9:00 – 5:00 pm MEETING
 Tuesday 9:00 – 10:30 am Hosting: MH
 11:00 – 5:00 pm MEETING
 Wednesday 9:00 – 10:30 am Hosting: CBCP, FHIR-I, Sec
 11:00 – 5:00 pm MEETING
 Thursday 9:00 – 5:00 pm MEETING

ELECTRONIC SERVICES AND TOOLS (EST)

Tuesday 9:00 – 10:30 am MEETING
 Wednesday 9:00 – 10:30 am Hosting: V2 Management Group
 1:45 – 3:00 pm MEETING
 Thursday 9:00 – 12:30 pm MEETING

EMERGENCY CARE (EC)

Monday 3:30 – 5:00 pm MEETING
 Tuesday 9:00 – 10:30 am Joint w/ PC, CIMI, LHS
 11:00 – 12:30 pm MEETING
 3:30 – 5:00 pm MEETING
 Wednesday 3:30 – 5:00 pm MEETING
 Thursday 1:45 – 3:00 pm MEETING

FACILITATORS' ROUNDTABLE MEETING

Thursday 5:30 – 6:30 pm Hosting: FHIR-I, MnM, Voc

FHIR CONNECTATHON

Saturday 9:00 – 10:00 pm MEETING
 9:00 – 5:00 pm Breakout Meeting
 9:00 – 5:00 pm Breakout Meeting
 Sunday 9:00 – 5:00 pm MEETING
 9:00 – 5:00 pm Breakout Meeting
 9:00 – 5:00 pm Breakout Meeting

FHIR INFRASTRUCTURE (FHIR-I)

Monday 9:00 – 3:00 pm MEETING
 11:00 – 12:30 pm Joint w/ PC
 3:30 – 5:00 pm Hosting: CDS, FM, II, InM, MnM, PC
 3:30 – 5:00 pm Joint w/ ClinGen
 3:30 – 5:00 pm Joint w/ PH
 7:00 – 10:00 pm MEETING
 Tuesday 9:00 – 10:30 am Joint w/ ITS
 9:00 – 10:30 am Joint w/ PA
 9:00 – 10:30 am Joint w/ SD
 11:00 – 12:30 pm Joint w/ InM, MnM
 11:00 – 12:30 pm Joint w/ Pharm
 12:30 – 1:30 pm Luncheon Meeting Joint w/ CIMI
 11:00 – 3:00 pm Joint w/ CDS, CQI
 1:45 – 3:00 pm Joint w/ PC
 1:45 – 5:00 pm MEETING
 Wednesday 9:00 – 10:30 am Joint w/ EHR, CBCP, Sec
 9:00 – 10:30 am Joint w/ Voc, MnM
 9:00 – 12:30 pm MEETING
 1:45 – 3:00 pm Joint w/ CGIT
 1:45 – 3:00 pm Joint w/ MnM
 1:45 – 3:00 pm Joint w/ Sec, CBCP
 3:30 – 5:00 pm Joint w/ II
 Thursday 9:00 – 10:30 am Joint w/ FM
 9:00 – 10:30 am Joint w/ BR&R
 9:00 – 10:30 am Joint w/ Dev
 9:00 – 10:30 am Joint w/ Sec
 11:00 – 12:30 pm Joint w/ CBCP
 11:00 – 12:30 pm Joint w/ O&O, II
 11:00 – 3:00 pm MEETING
 5:30 – 6:30 pm Facilitators' Roundtable Meeting- Joint w/ MnM, Voc

FHIR MANAGEMENT GROUP (FMG)

Sunday 12:30 – 1:30 pm Luncheon Meeting
 Monday 12:30 – 1:30 pm Luncheon Meeting
 Thursday 3:30 – 5:00 pm MEETING

FINANCIAL MANAGEMENT (FM)

Monday 9:00 – 3:00 pm MEETING
 3:30 – 5:00 pm Joint w/ FHIR-I, CDS, II, InM, MnM, PC
 Tuesday 1:45 – 5:00 pm MEETING
 Wednesday 9:00 – 10:30 am MEETING
 11:00 – 12:30 pm Joint w/ PIE
 1:45 – 5:00 pm MEETING
 Thursday 9:00 – 10:30 am Hosting: FHIR-I
 11:00 – 12:30 pm Joint w/ PA

GOVERNANCE AND OPERATIONS (GOC)

Wednesday 12:30 – 1:30 pm Luncheon Meeting

GOVERNMENT PROJECTS

Wednesday 11:00 – 12:30 pm MEETING

HL7 TERMINOLOGY AUTHORITY (HTA)

Sunday 9:00 – 12:30 pm MEETING

HEALTH CARE DEVICES (DEV)

Monday – Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/ O&O
	11:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: MH
Thursday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 5:00 pm	MEETING
Friday	9:00 – 12:30 pm	MEETING

IMAGING INTEGRATION (II)

Monday	3:30 – 5:00 pm	Joint w/ FHIR-I, CDS, FM, InM, MnM, PC
Tuesday	9:00 – 3:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FHIR-I
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/ O&O, FHIR-I

IMPLEMENTABLE TECHNOLOGY SPECIFICATIONS (ITS)

Tuesday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 5:00 pm	MEETING

INFRASTRUCTURE AND MESSAGING (INM)

Monday	3:30 – 5:00 pm	Joint w/ FHIR-I, CDS, FM, II, MnM, PC
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: FHIR-I, MnM
	1:45 – 3:00 pm	Hosting: CGIT
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/ Voc, CGIT

INTERNATIONAL COUNCIL MEETING

Sunday	12:30 – 5:00 pm	Luncheon/ Meeting
Thursday	9:00 – 3:00 pm	Luncheon/ Meeting

LEARNING HEALTH SYSTEMS WORK GROUP (LHS)

Tuesday	9:00 – 10:30 am	Joint w/ PC, CIMI, EC
Wednesday	1:45 – 3:00 pm	Hosting: BR&R, CIMI
Thursday	9:00 – 10:30 am	Joint w/ PC
	3:30 – 5:00 pm	Hosting: CIMI, CIC, PC

MOBILE HEALTH (MH)

Tuesday	9:00 – 10:30 am	Joint w/ EHR
Wednesday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/ Dev
Thursday	9:00 – 12:30 pm	MEETING

MODELING AND METHODOLOGY (MNM)

Monday	3:30 – 5:00 pm	Joint w/ FHIR-I, CDS, FM, II, InM, PC
Tuesday	11:00 – 12:30 pm	Joint w/ InM, FHIR-I
Wednesday	9:00 – 10:30 am	Joint w/ Voc, FHIR-I
	11:00 – 12:30 pm	Joint w/ Voc
	1:45 – 3:00 pm	Hosting: FHIR-I
Thursday	5:30 – 6:30 pm	Facilitators' Roundtable Meeting— Joint w/ FHIR-I, Voc

NETWORKING RECEPTION

Wednesday	5:15 – 6:45 pm	Networking Reception
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NURSES BREAKFAST/MEETING

Tuesday	7:00 – 8:00 am	Breakfast Meeting
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ORDERS AND OBSERVATIONS (O&O)

Monday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: CDS, CIMI, CQI
	3:30 – 5:00 pm	MEETING
Tuesday	7:00 – 8:00 am	MEETING
	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: Dev
	11:00 – 5:00 pm	MEETING
Thursday	7:00 – 8:00 am	MEETING
	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: FHIR-I, II
	1:45 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	Meeting

PATIENT ADMINISTRATION (PA)

Monday	9:00 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	Hosting: PC
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: FM
	1:45 – 5:00 pm	MEETING

PATIENT CARE (PC)

Monday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: FHIR-I
	3:30 – 5:00 pm	Joint w/ FHIR-I, CDS, FM, II, InM, MnM
Tuesday	9:00 – 10:30 am	Hosting: CIMI, EC, LHS
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: FHIR-I
	3:30 – 5:00 pm	Hosting: CIMI, CQI, Voc
Wednesday	9:00 – 12:30 pm	Joint w/ PA
	12:30 – 1:30 pm	Luncheon/ Meeting
	3:30 – 5:00 pm	Hosting: BR&R
Thursday	9:00 – 10:30 am	Hosting: LHS
	11:00 – 12:30 pm	Hosting: SD
	12:30 – 1:30 pm	Luncheon/ Meeting
	3:30 – 5:00 pm	Joint w/ LHS, CIMI, CIC

PATIENT EMPOWERMENT

Monday	9:00 – 12:30 pm	MEETING
Tuesday	5:15 – 6:15 pm	MEETING
Wednesday	1:45 – 5:00 pm	MEETING

PAYER/PROVIDER INFORMATION EXCHANGE (PIE)

Tuesday	3:30 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: FM
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

PAYER SUMMIT

Monday	8:30 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Breakout Meeting
	1:45 – 3:00 pm	Breakout Meeting
	1:45 – 3:00 pm	Breakout Meeting
	1:45 – 3:00 pm	Breakout Meeting
	1:45 – 3:00 pm	Breakout Meeting
	3:30 – 5:00 pm	MEETING
Tuesday	8:30 – 3:30 pm	MEETING

Meetings

PHARMACY (PHARM)

Monday	9:00 – 12:30 pm	MEETING
	145 – 3:00 pm	Joint w/ BR&R
	3:30 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: FHIR-I
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

PHYSICIANS BREAKFAST MEETING

Wednesday	7:00 – 8:00 am	Breakfast Meeting
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POLICY ADVISORY COMMITTEE (PAC)

Sunday	9:00 – 12:30 pm	MEETING
Monday	9:00 – 12:30 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING

PROCESS IMPROVEMENT (PIC)

Wednesday	1:45 – 3:00 pm	MEETING
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PROJECT SERVICES

Thursday	1:45 – 3:00 pm	MEETING
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PUBLIC HEALTH (PH)

Monday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FHIR-I
Tuesday – Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 3:00 pm	MEETING

SECURITY (SEC)

Monday	1:45 – 5:00 pm	Joint w/ CBCP
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/ EHR, CBCP, FHIR-I
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: CBCP, FHIR-I
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 12:30 pm	MEETING

SERVICES ORIENTED ARCHITECTURE (SOA)

Monday	1:45 – 5:00 pm	MEETING
Tuesday – Wednesday	9:00 – 5:00 pm	MEETING

STANDARDS GOVERNANCE BOARD (SGB)

Sunday	11:00 – 12:30 pm	Joint w/ ARB
Friday	9:00 – 12:30 pm	MEETING

STEERING DIVISIONS

Monday	7:00 – 8:30 pm	Administrative
Monday	7:00 – 8:30 pm	Clinical
Monday	7:00 – 8:30 pm	Infrastructure
Monday	7:00 – 8:30 pm	Organizational Support

STRUCTURED DOCUMENTS (SD)

Monday	9:00 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 12:30 pm	Joint w/ Voc
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/ PC
	1:45 – 5:00 pm	MEETING

TECHNICAL STEERING COMMITTEE (TSC)

Saturday	9:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Luncheon/ Meeting
	1:45 – 5:00 pm	MEETING
Sunday	5:15 – 6:15 pm	MEETING
Monday	5:15 – 6:15 pm	Co-Chair Dinner/ Meeting
Wednesday	7:00 – 8:00 am	MEETING
	12:30 – 1:30 pm	Luncheon/ Meeting

TERMINOLOGY AUTHORITY

Sunday	9:00 – 12:30 pm	MEETING
Tuesday	1:45 – 3:00 pm	Joint w/ Voc

US REALM STEERING COMMITTEE

Monday	1:45 – 3:00 pm	MEETING
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V2 MANAGEMENT GROUP

Monday	11:00 – 12:30 pm	MEETING
Tuesday	7:00 – 8:00 am	MEETING
Wednesday	9:00 – 10:30 am	Joint w/ EST

VOCABULARY (VOC)

Monday	9:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: CIMI
	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: SD
Tuesday	1:45 – 3:00 pm	Hosting: Terminology Authority
	3:30 – 5:00 pm	Joint w/ PC, CIMI, CQI
	9:00 – 10:30 am	Hosting: FHIR-I, MnM
	11:00 – 12:30 pm	Hosting: MnM
	1:45 – 5:00 pm	MEETING
	9:00 – 10:30 am	Hosting: CGIT, InM
	11:00 – 12:30 pm	Hosting: CGIT
	1:45 – 5:00 pm	MEETING
Wednesday	5:30 – 6:30 pm	Facilitators' Roundtable Meeting- Joint w/ FHIR-I, MnM

“EARLY BIRD” RATE DEADLINE

Advance meeting registration, including payment, is required by Saturday, May 2, 2020, to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 24-26) for a schedule of meeting fees.

TO REGISTER

Please complete the registration forms on pages 24-26 and mail it (along with a check payable to Health Level Seven International in U.S. funds ONLY) to:

Health Level Seven International
3300 Washtenaw Ave., Suite #227
Ann Arbor, MI 48104 USA

If paying by credit card, the registration may be faxed to:
+1 (734) 677-6622.

Online registration is also available via our website (www.HL7.org). For your convenience, you can pay via a credit card directly from the site or print the registration form and mail it along with payment

Advance registrations **MUST** include payment. **No balance dues will be accepted and registrations received without payment will not be processed until the time that payment is received.** Registrations received with payment by the Early Bird deadline will receive the Early Bird discount. Registrations where payment is not received by then will require the full registration fee. Advance registrations will be accepted until May 15, 2020. After that time, registrations can only be made onsite. All onsite registrations require payment in full at the time of registration.

CANCELLATION POLICY

Prepaid registrants who cancel prior to the Early Bird deadline will receive a full refund minus a \$50 processing fee. After that time, no refunds will be made.

TUTORIAL CANCELLATION

Tutorials at HL7 working group meetings are an additional fee to the daily meeting registration fees. Please note that tutorials listed as free in the brochure still require payment of the daily meeting fee. To register for tutorials, please select each tutorial you would like to take on page 26 of the registration form.

The tutorial schedule is subject to change. A tutorial may be canceled if expected registration numbers are not met. If a tutorial is canceled, pre-registrants will be notified via email. The registrant may select another tutorial or a full refund of the tutorial fee will be made. However, the daily meeting registration fees and associated travel expenses will not be refunded.

DRESS

The dress code is casual for all HL7 functions. Layered clothing is advised, as room temperatures vary.

MEALS

Light continental breakfasts, refreshment breaks and lunches are included in the meeting registration fee and will be provided for all registered attendees Saturday through Friday. Vegetarian and diabetic meals are available upon request. You must register for each day's lunch on your registration form in order to receive lunch tickets.

HOTEL INFORMATION

HL7 May 2020 Working Group Meeting will be held at:

HYATT REGENCY SAN ANTONIO ON THE RIVERWALK
23 Losoya Street, San Antonio, TX 78205
+1 (210) 222-1234 phone
+1 (210) 227-4925 fax

To reserve your room, the hotel has set up a special website registration process just for HL7 attendees. HL7 attendees should log on to <https://www.hyatt.com/en-US/group-booking/SATRS/G-HLSV> and follow the reservation instructions.

Reservations can be made directly by calling +1 877-803-7534. Be sure to mention Health Level Seven International to receive the discounted room rate of \$209 per night single or double occupancy. These rates will be offered three days prior and three days after the meeting dates, subject to availability of rooms at the time of reservation. Remember, a limited number of rooms are available at the discounted rate, so reserve your room early. The hotel cut-off date is April 24, 2020. Room rates are subject to all applicable state and local taxes in effect at time of check in. Cancellations should be made 72 hours (three days) prior to your arrival date, and a cancellation number should be obtained. Cancellations made within the three days will be charged a one night reservation fee.

Those making a reservation under the government rate of \$127 per night should log on to <https://www.hyatt.com/en-US/group-booking/SATRS/G-HLSV/GOVERNMENT> and select Government under Room Type. There are a limited number of government rooms available at the discounted rate so reserve your room early!

GROUND TRANSPORTATION

The Hyatt Regency San Antonio is approximately 8.5 miles from the San Antonio International Airport.

TAXI — From the airport is approximately \$25 one-way per car (does not include tip). Seating and luggage: six passengers; amount of luggage depends on size of bags. Pick up is on the lower level of the airport.

AIRPORT SHUTTLE TRANSPORTATION —

- Yellow/Checker Cab: Phone: +1 (210) 222-2222
- San Antonio Taxis: +1 (201) 444-2222

Ride share services such as Uber and Lyft are available at the hotel and airport through their app.

PARKING — The Hyatt Regency San Antonio offers self-parking as well as valet parking for hotel guests in the Central Parking Garage located across the street from the main hotel entrance for \$23/night. Valet parking is available at the hotels front entrance for \$39/day.

PLEASE BOOK YOUR ROOM AT THE HL7 MEETING HOTEL

HL7 urges all meeting attendees to secure their hotel reservation at the HL7 Working Group Meeting Host Hotel. This hotel has been contracted to provide the best rate and service to our HL7 meeting attendees, including the vast number of meeting rooms that HL7 uses. In order to secure the required meeting space, HL7 has a contractual obligation to fill our sleeping room blocks. If you make reservations at a different hotel, HL7 risks falling short on its obligation, which translates in HL7 paying additional costs (penalties) to the hotel. Should this occur, HL7 will likely be forced to pass these costs onto our attendees through increased meeting registration fees. Therefore, to help avoid such fee increases, we urge you to book your hotel room at our host hotel. Thank you!

Meeting Registration Form

1. Contact Information

End of day on May 2, 2020 is the deadline for Early Bird fees. All advance registrations must be received by end of day on May 15, 2020. After this date, registrations can ONLY be made onsite with payment.

First Name	Last Name	
Title/Position	Organization	
Address		
City	State/Region	Postal Code
Country		
Telephone	Fax	
Email	Nickname for Badge	

2. Survey & Information

I am a/an: ☐ Affiliate Chair ☐ HL7 Board Member ☐ Student
☐ First-Time WGM Attendee ☐ Past Board Chair ☐ Tutorial Speaker

Primary employment type: ☐ Academia ☐ Consultant ☐ Government ☐ Healthcare Professional
☐ Payer ☐ Pharmacy ☐ Provider ☐ Vendor
☐ Other: _____

☐ I am a member of an HL7 International Affiliate or full-time employee of an HL7 organizational member and eligible for the member rate.

Please list affiliate or organization: _____

☐ I am a full time student. (Option available only to full-time students who are not professionally employed.)

University attending: _____ Student # _____

Meal Requirements:

☐ Diabetic ☐ Regular ☐ Vegetarian ☐ Other: _____

Mail/Overnight

Health Level Seven International
3300 Washtenaw Ave., Suite #227
Ann Arbor, MI 48104 USA

Fax

+1 (734) 677-6622

Online

www.HL7.org

3. Registration and Tutorial Fees:

The first step is to register for which days you will be onsite via the ALL WEEK OPTION or the DAILY FEE. The second step is to register for any add-on events such as the FHIR EXPERIENCE and/or TUTORIALS, which require additional fees.

	Members By 5/2	Members After 5/2	Non-Members By 5/2	Non-Members After 5/2	Amount Due
Sunday – Friday Option: Please register me for the entire week. Please note that the Sunday–Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$965	<input type="checkbox"/> \$1,255	<input type="checkbox"/> \$1,450	<input type="checkbox"/> \$1,880	\$ _____
Monday – Friday Option: Please register me for the entire week. Please note that the Monday–Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$810	<input type="checkbox"/> \$1,100	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$1,650	\$ _____
Per Day Fees: Please note tutorials are an additional fee on top of the daily fees. Additionally, tutorials that are listed as free still require registration for the daily meeting fees. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$230/day	<input type="checkbox"/> \$305/day	<input type="checkbox"/> \$345/day	<input type="checkbox"/> \$460/day	\$ _____
<input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday # _____ days attending x fee:					\$ _____

	Members By 5/2	Members After 5/2	Non-Members By 5/2	Non-Members After 5/2	
HL7 FHIR Connectathon: Please note: No partial registrations for the FHIR Connectathon will be accepted. The registration fee covers all day Saturday and Sunday. FHIR Connectathon registration includes space at a table for one person with a laptop, one power connection (expected draw ~100 W) and up to two wireless network connections with shared bandwidth. If you have additional hardware, space or connectivity requirements, please contact Maryann@HL7.org prior to registration. Venue constraints may limit HL7's ability to meet special requests.	<input type="checkbox"/> Participant: \$450 <input type="checkbox"/> Observer: \$550	<input type="checkbox"/> Participant: \$595 <input type="checkbox"/> Observer: \$695	<input type="checkbox"/> Participant: \$550 <input type="checkbox"/> Observer: \$650	<input type="checkbox"/> Participant: \$695 <input type="checkbox"/> Observer: \$795	\$ _____
HL7 FHIR Experience: This event requires meeting registration to attend. Please be sure to register for Wednesday above.	<input type="checkbox"/> \$230	<input type="checkbox"/> \$450	<input type="checkbox"/> \$680	<input type="checkbox"/> \$1,030	\$ _____
HL7 Payer Summit: The registration fee covers all day admission on Monday and Tuesday.	<input type="checkbox"/> \$410	<input type="checkbox"/> \$610	<input type="checkbox"/> \$690	<input type="checkbox"/> \$920	\$ _____

☐ I plan to attend the **International Council Meeting** (Sunday).

A lunch ticket will be included in your registration packet.

Deadline for Discounted Rates: Payment must be received by May 2, 2020 to qualify for the “Early Bird” rate. The full fee structure applies to all other registrations where payment is received after this date.

Cancellation/Refund Policy: Prepaid registrants who cancel prior to the Early Bird deadline will receive a full refund less a \$50 processing fee. After this date, no refunds will be given for ANY reason.

Payment Policy: Registrations for the meeting can only be paid for in US currency.

Meeting Registration Form

Individuals who are employed by an HL7 gold or benefactor organization must have their key member contact Mary Ann Boyle at maryann@HL7.org if they wish to use their organization's free tutorial seats.

Tutorial Fees: Please register me for the following tutorials:

Please note that in order to attend any tutorials you must pay two fees: (1) daily meeting fee for the day of the tutorial, and (2) tutorial registration fee.

Members		Non-Members		AMOUNT DUE
By 5/2	After 5/2	By 5/2	After 5/2	

Monday, May 18

Morning Sessions

<input type="checkbox"/> Track 3—HL7 Process: Orientation for First-Time Attendees — FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)					
<input type="checkbox"/> Track 3—HL7 Process: ISO IDMP, Substances and Allergies — FREE TUTORIAL (F2) — Must sign up to attend this tutorial (Please check the box.)					
Track 1—FHIR in Depth: HL7 FHIR Using SMART & CDS Hooks (M1)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: HAPI on FHIR (M2)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 2—Introductory Topics: Introduction to HL7 Standards for Interoperability (M3)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Afternoon Sessions

Track 1—FHIR in Depth: HL7 FHIR for Analysts (M4)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: Understanding and Using Terminology in HL7 FHIR (M5)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 2—Introductory Topics: Introduction to HL7 FHIR (M6)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Tuesday, May 19

Morning Sessions

<input type="checkbox"/> Track 3—HL7 Process: Understanding the HL7 International Organization – From Process to Governance — FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)					
<input type="checkbox"/> Track 3—HL7 Process: How to Get HL7 Certified — FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)					
Track 1—FHIR in Depth: FHIR Resources Deep Dive (T7)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: FHIR Questionnaires and Structured Data Capture (T8)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 2—Introductory Topics: Introduction to HL7 FHIR for Software Developers (T9)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Afternoon Sessions

Track 1—FHIR in Depth: Mapping V2 & CDA to FHIR (T10)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: HL7 FHIR Profiling (T11)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: FHIR Security & Privacy (T12)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Wednesday, May 20

Morning Sessions

<input type="checkbox"/> Track 3—HL7 Process: GS1 Standards for Supply Chain Meets HL7 — FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)					
Track 1—FHIR in Depth: The Da Vinci Project: Overview & Data Burden Reduction (W13)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: C-CDA on FHIR (W14)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Afternoon Sessions

Track 1—FHIR in Depth: The Da Vinci Project: Quality Measures & Data Exchange Supporting Use Cases (W15)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 1—FHIR in Depth: Strategies & Techniques for the Use of Terminology & Services in FHIR Apps (W16)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Thursday, May 21

Morning Sessions

Track 1—FHIR in Depth: Clinical Quality & Decision Support on FHIR (TH17)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____
Track 2—Introductory Topics: Forms, Flowsheets & Tools for a FHIR-Enabled Clinical Data Repository (TH18)	<input type="checkbox"/> \$115	<input type="checkbox"/> \$225	<input type="checkbox"/> \$340	<input type="checkbox"/> \$515	\$ _____

Total Amount Due \$ _____

4. Payment Information: Payment must be included in order to process your registration. Method of Payment (US Dollars, Drawn on US Bank Only)

☐ Check (Please make payable to: Health Level Seven International) Credit Card: ☐ Visa ☐ Master Card ☐ American Express ☐ Discover

Number: _____ Expiration Date: _____

Name on Card (Please Print): _____ Billing Zip Code: _____



Baltimore, MD

September 19 – 25, 2020

34th Annual Plenary & Working Group Meeting

Baltimore Renaissance Harborplace



Henderson, NV

January 16 – 22, 2021

Working Group Meeting

Hilton Lake Las Vegas Resort & Spa



New Orleans, LA

May 22 – 28, 2021

Working Group Meeting

Hilton New Orleans Riverside



Rockville, MD

September 11 – 17, 2021

35th Annual Plenary & Working Group Meeting

Bethesda North Marriott Hotel & Conference Center



San Antonio, Texas

San Antonio has always been a crossroads for travelers, explorers, and those on a quest for liberty. Its sights, sounds, tastes and past captivate, while friendly people, the relaxing river and a superb climate entice visitors to come back for more. From its important role in Texas independence to its fusion of cultures, San Antonio is a truly unique and authentic destination. Explore the routes of the conquistadors, the settlements of the first missions, and the Shrine of Texas Liberty—the Alamo. San Antonio's heart is in its past—but its future is in its celebration of cultures.

For history buffs, San Antonio is a mecca. Native Americans first lived along the San Antonio River. A band of Spanish explorers and missionaries came upon the river in 1691, and because it was the feast day of St. Anthony, they named the river “San Antonio.” The actual founding of the city came in 1718 by Father Antonio Olivares, when he established Mission San Antonio de Valero. Known as the Alamo, it became permanently etched in the annals of history in 1836 when 189 defenders held the old mission against some 4,000 Mexican

troops for 13 days. The cry “Remember the Alamo” became the rallying point of the Texan revolution against Mexico. Located in the heart of downtown, today the Alamo is a shrine and museum.

San Antonio's old world Spanish flair and blend of cultures makes it one of America's most picturesque cities. Amidst the daily hubbub of the metropolitan downtown, sequestered 20 feet below street level, lies one of San Antonio's jewels—the River Walk.

A verdant oasis of cypress-lined paths, arched stone bridges, and lush landscapes, the River Walk winds its way through the middle of the business district. The River Walk has multiple personalities – quiet and park-like in some stretches, while other areas are full of activity with European-style sidewalk cafes, specialty boutiques, nightclubs and gleaming high-rise hotels. Experience San Antonio's fiesta spirit, and see all that it has to offer. With so much to do, you'll never want to go home.

*Copy and photos courtesy of the
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