



Health Level Seven® International

Unlocking the Power of Health Information

32nd Annual Plenary &

Working Group Meeting

September 29—October 5, 2018

Hyatt Regency Baltimore Inner Harbor • Baltimore, MD

Register Today!

Hotel & Early Bird Registration Cutoff: September 7, 2018

Online Registration Cutoff: September 14, 2018



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Upcoming Co-Chair Elections

The following HL7 work groups will conduct co-chair elections at this working group meeting.

Work Group	# being elected
Clinical Decision Support	1
Clinical Genomics	1
Clinical Interoperability Council	1
Community-Based Care and Privacy	2
Conformance	2
Emergency Care	1
FHIR Infrastructure	2
Financial Management	2
Health Care Devices	1
Implementable Technology Specifications	1
Infrastructure and Messaging	1
Learning Health Systems	1
Mobile Health	2
Modeling and Methodology	2
Orders and Observations	1
Public Health	2
Security	1
Templates	1
Vocabulary	1

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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What is a Working Group Meeting?

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 working group meetings hard at work on standards development. Attending a work group meeting can be a great way to keep up-to-date on what is happening in a particular area, and everyone attending an HL7 working group meeting is invited to attend any of the work group meetings.

Please see pages 18–21 for a complete schedule of meeting times throughout the week.

Education Tracks

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

Track 1 – HL7 FHIR®

This track provides tutorials and other activities focused on HL7's new 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 – CDA® & C-CDA®

HL7's Clinical Document Architecture (CDA®) is a Version 3 standard. The CDA is a document that specifies the structure and semantics of “clinical documents” for the purpose of exchange between healthcare providers and patients. Tutorials in this track provide introductory and advanced education on the CDA as well as the Consolidated (C-CDA) implementation guide and template design, among others. It concludes with classes that address strategies for implementation.

Tutorials

Numerous educational opportunities will be offered at this WGM. Sessions will cover a full range of HL7-specific topics such as Version 2.x Implementation, the Clinical Document Architecture (CDA®), Fast Healthcare Interoperability Standards (FHIR®), among others. Educational sessions also include industry topics such as Electronic Health Records and Vocabulary Terminology. For a full listing of course descriptions, please see pages 5–14.

Clinicians on FHIR®

Clinicians on FHIR was created by the Patient Care Work Group (PCWG) as an exercise for those familiar with clinical workflows to challenge FHIR resources and build simple FHIR profiles around abbreviated clinical use cases. The primary focus has been on clinical FHIR resources as a means to inform PCWG in the curation and validation of these resources. This is NOT a tutorial or workshop and participants are expected to have knowledge of clinical workflows and to have a fundamental knowledge of the FHIR standard. Orientation materials and a planning agenda are available on the HL7 Patient Care Wiki under Clinicians on FHIR.

Track 3 – General Interest & Special Topics

The General Interest & Special Topics track offers a variety of electives that may involve multiple standards product families, general topics such as security, vocabulary and interoperability or highlight niche standards such as the EHR System Functional Model. It provides introductory classes for implementers on topics that cross standards families such as clinical genomics and industry topics like implementing standards for MACRA and Meaningful Use.

Track 4 – Information Forums—FREE

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 feel free to choose the whatever courses are right for you from among the four tracks.

TRACK 1: HL7® FHIR®

S1

HL7 FHIR Connectathon

Saturday, September 29 / 9:00 am – 10:00 pm
 Sunday, September 30 / 9:00 am – 5:00 pm

This connectathon runs all day Saturday and Sunday. Registration includes both lunch and dinner on Saturday and lunch on Sunday. Registrants should plan to attend the entire event; no partial registrations will be accepted.

A Fast Healthcare Interoperability Resources (FHIR®) Connectathon is an opportunity for implementers to participate in developing HL7 FHIR solutions and exchange data with other HL7 FHIR interfaces. The connectathon is not a formal tutorial. There will be no lectures or presentations. Instead, you'll participate in 1.5 days of hands-on, heads down development and testing, working directly with other HL7 FHIR developers as well as senior members of the HL7 FHIR standards development team. The connectathon is a chance to get your hands dirty and learn by helping evolve the HL7 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 on the connectathon website here: http://wiki.hl7.org/index.php?title=FHIR_Connectathon_19.

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 actually participating in HL7 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 HL7 FHIR specification.

NOTE: If registering as a participant, you will be expected to write at least some software intended to demonstrate HL7 FHIR connectivity.

WT1

HL7 FHIR Experience

Wednesday, October 3 / 9:00 am – 12:30 pm,
 1:45 pm – 5:00 pm
 Thursday, October 4 / 9:00 am – 12:30 pm,
 1:45 pm – 5:00 pm

This is a two-day, hands-on FHIR training program designed to:

- Empower students with the knowledge, skills, and confidence to implement HL7 FHIR applications
- Make informed decisions about FHIR technology, and
- Prepare for the HL7 FHIR Proficiency Certification Exam

Theoretical material is blended with hands-on activities so that students are able to apply what they learn throughout the two-day experience.

The first day is devoted to evaluating and applying the base HL7 FHIR standards through hands-on interaction with FHIR servers. Base standards topics include: FHIR resources, RESTful API, transactions, operations, messages, documents, services, batch, bulk transfer and storage as well as conformance and terminology.

The second day focuses on reviewing and utilizing the FHIR implementation guides. Students will gain insight and hands-on experience with the US Core (Argonaut) and Provider Directory Implementation Guides.

The program culminates with a review of the training through interactive preparation for the HL7 FHIR Proficiency Exam.

This Tutorial Will Benefit:

- Anyone interested in connecting his or her system/app to FHIR- or Argonaut-enabled EHRs or systems or who is implementing HL7 FHIR technology



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 26 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 on-site. 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.

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

- Explain HL7 FHIR fundamental concepts
- Implement API calls using Postman and HL7 FHIR server sandboxes
- Describe HL7 FHIR implementation guides and profiles
- Construct simple JavaScript applets that securely query clinical data using HL7 FHIR implementation guides
- Recall the required competencies and structure of the FHIR Proficiency Certification Exam
- Identify gaps in HL7 FHIR proficiency by completing practice exam questions

Prerequisites:

- Participants in this program should either first take the Introduction to HL7 FHIR course or, at a minimum, review FHIR summaries in the HL7 FHIR specifications
- Participants are expected to be comfortable with technology and computer use. Prior knowledge of JavaScript and HTML will be useful

Faculty:

Rik Smithies: Technical Chair, HL7 UK; Independent Consultant, NProgram Ltd.

Simone Heckmann: Dipl. Inform. Med.; Chair, HL7 Germany's Technical Committee on FHIR; Board Member, HL7 Germany; CTO, Gefyra GmbH; CEO, Health-Comm GmbH

Dr. Eric Hass, DVM MS: Member, HL7 FHIR Core Team; President and CEO, Health eData, Inc.

T4

Introduction to HL7 FHIR

Tuesday, October 2 / 9:00 am – 12:30 pm

HL7 Fast Healthcare Interoperability Resources (FHIR®) is the newest healthcare interoperability standard offered by HL7, providing domain friendly wire formats compatible across the document, messaging, services and RESTful paradigms. This tutorial is for those who want to learn more about HL7 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 HL7 FHIR methodology
- Describe the characteristics of an HL7 FHIR resource and understand the contents of a resource definition
- Explain the relationship between HL7 FHIR and other HL7 standards such as Version 2, Version 3 messaging and CDA

- List some of the key HL7 FHIR infrastructure resources and explain how they are used to support the four HL7 FHIR interoperability paradigms
- Help their organization to determine if, when, where and how they might implement HL7 FHIR

Faculty:

Rik Smithies: Technical Chair, HL7 UK; Independent Consultant, NProgram Ltd.

T5

Designing and Architecting HL7 FHIR Solutions

Tuesday, October 2 / 9:00 am – 12:30 pm

HL7 FHIR is attracting a great deal of attention as the next great thing in healthcare interoperability. This tutorial will help participants understand where and how HL7 FHIR might fit into their healthcare interoperability environment and provide them with the tools they need to make judgments about when or if HL7 FHIR might be an appropriate solution for their healthcare IT needs.

This Tutorial Will Benefit:

- Architects, technical managers and other healthcare IT decision-makers involved in solution design

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

- Explain how HL7 FHIR may be used in different interoperability paradigms
- Describe how HL7 FHIR can fit in different locations in the architectural stack
- Identify architectural considerations that apply to HL7 FHIR and determine how best to address those in their own HL7 FHIR solutions
- Explain where and how profiles fit into an architectural solution
- Give guidance on if, when and how HL7 FHIR might be used within their own organization

Prerequisites:

- Introduction to HL7 FHIR or basic familiarity with the HL7 FHIR standard and concepts
- Some knowledge of healthcare IT architecture could also be useful

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.

T7

Introduction to HL7 FHIR for Clinicians and Decision Makers

Tuesday, October 2 / 1:45 pm – 5:00 pm

This tutorial is aimed at the clinician rather than the technical user. It will describe where HL7 FHIR fits in the healthcare interoperability space and includes a high-level description of the specification. The tutorial will consist of practical exercises for attendees as well as presentation material.

This Tutorial Will Benefit:

- Clinicians and ‘CxO’ decision makers
- Technical people interested in the scope and place of FHIR rather than the deep details

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

- Understand how HL7 FHIR can benefit their organizations, and to describe those advantages to others
- Know where to go to get more information

Prerequisites:

- None, though an understanding of healthcare IT will be beneficial

Faculty:

David Hay, MD: Co-Chair, HL7 FHIR Management Group; Product Strategist, Orion Healthcare

T8

HL7 FHIR Profiling

Tuesday, October 2 / 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 HL7 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 HL7 FHIR

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

- Explain what the HL7 FHIR conformance layer is and how it is used to profile HL7 FHIR for a specific context or use case
- Describe the principal profiling components of the HL7 FHIR conformance layer
- Describe the available HL7 FHIR conformance resources (structure definition, operation definition, search parameter, value set, concept map)

- Identify how domain information requirements translate to conformance resources
- Explain how the conformance resources are used to compose an implementation guide
- Write an HL7 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:

Michel Rutten: Technical Specialist, Firely; Lead Developer of Forge FHIR Profile Editor

T9

Introduction to HL7 FHIR for Software Developers

Tuesday, October 2 / 1:45 pm – 5:00 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 HL7 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: Author, AEGIS’ Public FHIR Test Client and Server, WildFHIR; Senior Architect and Project Lead for AEGIS’ FHIR Testing Platform, Touchstone

W10

HAPI on HL7 FHIR

Wednesday, October 3 / 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 HL7 FHIR data model, client and server development, validation and other related topics.

This tutorial includes both 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 HL7 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 as well as 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: Lead Architect, Centre for Global eHealth Innovation (UHN)

W11

Clinical Documents on HL7 FHIR

Wednesday, October 3 / 9:00 am – 12:30 pm

C-CDA on FHIR is an HL7 implementation guide that expresses the core C-CDA use case using HL7 FHIR resources. This tutorial will give an overview of HL7 FHIR documents in general, the C-CDA on FHIR profiles in particular, and discuss migration strategies when moving from CDA to HL7 FHIR and visa-versa.

This Tutorial Will Benefit:

- CDA implementers wishing to move to HL7 FHIR and FHIR implementers wishing to learn about HL7 FHIR documents

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

- Explain the structure of HL7 FHIR documents
- Find and explain the C-CDA on FHIR profiles
- Strategize ways to move content between CDA and HL7 FHIR formats

Prerequisites:

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

Faculty:

Rick Geimer: Member, HL7 Structured Documents Work Group; Chief Technology Officer, Lantana Consulting Group

W12

Understanding and Using Terminology in HL7 FHIR

Wednesday, October 3 / 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 HL7 FHIR artifacts (datatypes, resources, profiles, etc.). The structures and use of the primary HL7 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 HL7 FHIR resources and profiles. The tutorial will also discuss how terminology content and capabilities are made accessible and usable within an HL7 FHIR terminology service. Live examples from HL7 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 HL7 FHIR terminology resources and datatypes
- Explain how the HL7 FHIR terminology resources and datatypes support the needs for coded data in other HL7 FHIR resources and profiles
- Use the primary HL7 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 an HL7 FHIR terminology service

Prerequisites:

- Introduction to HL7 FHIR (or equivalent familiarity with the HL7 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)
- HL7 FHIR for Specifiers (optional, but may be helpful)

Faculty:

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

W13

Clinical Genomics Using HL7 FHIR

Wednesday, October 3 / 1:45 pm – 5:00 pm

HL7 FHIR enables a new class of clinical genomic apps for precision medicine. This tutorial will introduce FHIR genomics and take attendees through the creation and deployment of a clinical genomic app.

This Tutorial Will Benefit:

- IT professionals, developers, EMR vendors and clinicians

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

- List use case for clinical genomic apps
- Describe how HL7 FHIR genomics enables clinical genomics
- Use HL7 FHIR to create a simple clinical genomic app
- Deploy a simple HL7 FHIR clinical genomic app

Prerequisites:

- There are no prerequisites for this tutorial; relevant HL7 FHIR terminology will be introduced

Faculty:

Gil Alterovitz, PhD: Co-Chair, HL7 Clinical Genomics Work Group; Assistant Professor, Harvard Medical School/Boston Children's Hospital

TH14

HL7 FHIR for Clinical and Administrative Workflows

Thursday, October 4 / 9:00 am – 12:30 pm

This tutorial will cover the existing HL7 FHIR structures and approaches for different types of workflows, and the various capabilities available.

This Tutorial Will Benefit:

- Standards developers such as HL7 work group members and HL7 FHIR profile developers
- Integration and systems architects
- Clinical or administrative workflows subject matter experts

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

- Understand the purpose and intent behind the logical models for workflow patterns
- Be able to describe at least three different mechanisms HL7 FHIR has that support workflow
- Explain what types of workflows require the use of the

HL7 FHIR task

- List at least four considerations impacting on selection of workflow approach
- Have analyzed at least two sample workflow scenarios and identified how HL7 FHIR could be used to support those scenarios

Prerequisites:

- Knowledge of HL7 FHIR fundamentals
- An understanding the basics of healthcare workflows

Faculty:

Vassil Peytchev, FHL7: Lead Technical Adviser, Epic Systems Corporation, HL7 Fellowship Award Recipient September 2013

TRACK 2: CDA® AND C-CDA

T6

Introduction to Clinical Document Architecture

Tuesday, October 2 / 9:00 am – 12:30 pm

The Clinical Document Architecture (CDA®) is HL7's specification for standards-based exchange of clinical documents. CDA is based on the concept of scalable, incremental interoperability and uses Extensible Markup Language (XML), the HL7 Reference Information Model (RIM) and controlled terminology for structure and semantics. This tutorial presents the business case for CDA, its primary design principles and an overview of the technical specification.

This Tutorial Will Benefit:

- New implementers, standards developers and policy makers

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

- Explain the history and core principles of CDA design
- Explain the core structures of CDA and where they are appropriately used
- Interpret the CDA standard and existing CDA implementation guides

Faculty:

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

TH16

Consolidated CDA 2.1

Thursday, October 4 / 1:45 pm – 5:00 pm

Every ONC certified EHR must support Consolidated Clinical Document Architecture (C-CDA). C-CDA is a document standard for communicating patient summaries between providers and patients. It is a foundational component for US Meaningful Use (MU) Stage 3 and Merit-Based Incentive Payment System (MIPS) interoperability. This tutorial provides a detailed background on the specification, explains how C-CDA builds on CDA to provide highly structured patient summaries, and discusses implementation challenges and choices. The purpose of this tutorial is to prepare the student to work with C-CDAs in the field to improve healthcare interoperability.

This Tutorial Will Benefit:

- Software vendor stakeholders building and supporting C-CDA functionality in health IT products
- Payers interested in visit summaries
- Providers implementing and supporting C-CDA based health information exchange and patient engagement interoperability functionality
- Others interested in capitalizing on the widespread availability of C-CDA capabilities in electronic health records
- Stakeholders interested in structured document standards development

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

- Effectively navigate the specification
- Identify and explain the key document types and sections
- List the latest enhancements to the standard and supporting documentation and tools
- Use CDA templates to streamline implementation
- Locate C-CDA validation tools

Prerequisite:

- Introduction to CDA

Faculty:

Rick Geimer: Member, HL7 Structured Documents Work Group; Chief Technology Officer, Lantana Consulting Group

TRACK 3: SPECIAL INTEREST

M1

Overview of HL7 Standards for Interoperability

Monday, October 1 / 1:45 pm – 5:00 pm

This tutorial provides a survey of the healthcare interoperability standards landscape, highlighting 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 CDA, Continuity of Care Document (CCD®), Continuity of Care Record (CCR) and IHE XDS; and (3) terminology standards, such as SNOMED CT and LOINC. The tutorial also explains how and why these were developed and their complementary roles, each best suited to particular 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 health interoperability who need to understand how and when each standard is used and how standards can be used 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 particular roles

Faculty:

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

M2

International Mobile Health Standards (HL7, IEEE, ISO/TC215)

Monday, October 1 / 1:45 pm – 5:00 pm

The rising cost of healthcare throughout the world has created an urgency to improve healthcare productivity and quality. This sense of urgency has led to the development of new healthcare delivery models, broad organizational restructuring, and the redesign of healthcare business and clinical processes. Not only are these changes redefining the healthcare environment, they are also creating a demand for a new healthcare information infrastructure.

For the past decade, a phenomenal rise of mobile devices and smart phones usage globally is redefining how we access and provide care. Mobile technology is the lifeline of the current generation. Today's commercially available mobile devices are handheld computing platforms with capabilities that outpaces the features present in any laptop or desktop machines of the past. Mobile devices of the 21st Century now have features like wireless capability, Bluetooth, touchscreen, geographic localization or GPS, camera, video, microphone, gyroscope, accelerometer, infrared sensor, flashlight and fingerprint scanner.

This tutorial will journey to the world of standards development organizations (such as HL7, IEEE & ISO) and the emerging standards in mobile health.

This Tutorial Will Benefit:

- Mobile health app developers around the globe
- EHR vendors that are looking to expand into mobile health market
- Providers who will prescribe mobile health apps to their patients
- Payers who will cover the purchase of mobile health apps by patients
- Consumers who are looking into using/purchasing a mobile health app
- Governments and stakeholders that are looking to develop a certification program for mobile health apps
- Policy makers who are looking to develop telehealth policies

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

- Explain what mobile health encompasses
- Understand the evolution of paper to digital transition in healthcare
- Learn about the emerging HL7 mobile health standards
- Explain what the HL7 cMHAFF (consumer Mobile Health Application Functional Framework) is
- Explain what the HL7 mFHAFF (mobile Framework for Healthcare Adoption of Short-Message Technologies) is
- List the various IEEE 11073 standards

Faculty:

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

M3

Understanding the Clinical Quality Language – The Standard, Its Applications and Its Potential

Monday, October 1 / 1:45 pm – 5:00 pm

Clinical Quality Language (CQL) is an HL7 authoring language standard that's intended to be human readable. It is part of the effort to harmonize standards used for electronic clinical quality measures (eQMs) and clinical decision support (CDS). CQL provides the ability to express logic that is human readable yet structured enough for processing a query electronically. Attendees in this tutorial will learn about the general architecture of CQL and how it can be used with other data models such as HL7 FHIR and Quality Data Model (QDM).

This Tutorial Will Benefit:

- Informaticists and programmers

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

- Understand the general importance and architecture of CQL
- Learn basic CQL operators

- Demonstrate how CQL allows calculation of measures and scoring
- Understand how CQL can be used with multiple data models including HL7 FHIR and QDM
- Practice building some CQL clauses and libraries
- Identify the current tools and programs using CQL are and consider what additional applications it could be used to accomplish

Faculty:

Julia Skapik, MD, MPH: Chief Health Information Officer, Cognitive Medical Systems, Inc.

The Changing World of Provider

Reimbursement (Volume to Value) – Role of Standards

TH15

Thursday, October 4 / 9:00 am – 12:30 pm

The U.S. healthcare system is going through a seismic change that began with HITECH Act under the ARRA-American Recovery and Reinvestment Act of 2009 and the Meaningful Use (MU) mandate, which required certified Electronic Health Record (EHR) adoption by providers and hospitals.

The Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) finalizes policies to improve physician and other clinician payments by changing the way Medicare incorporates quality measurement into payments and by developing new policies to address and incentivize participation in Alternative Payment Models (APMs) – transitioning from “volume” based FFS (fee for service) payments to “value” based P4P (pay-for-performance) payment model. These unified policies are referred to as the Quality Payment Program (QPP) [<https://qpp.cms.gov>].

MACRA advances a forward looking, coordinated framework for healthcare providers to successfully take part in the CMS Quality Payment Program that rewards value and outcomes through either Advanced Alternate Payment Models (A-APMs) and Merit-based Incentive Payment System (MIPS).

MIPS makes payment adjustments based on performance on quality, cost and other measures. Advanced APMs supports the goals of transitioning from fee-for-service (FFS) payments to payments for quality and value-based payment.

MACRA (and subsequent U.S. government rule-makings) mandates the use of 2015 Certified EHRs by eligible clinicians. Many HL7 standards are identified in this program such as HL7 Version 2.x, the Consolidated Clinical Document Architecture (C-CDA), the Quality Reporting Document Architecture (QRDA) and the Health Quality Measure Format (HQMF) among others.

This Tutorial Will Benefit:

- U.S. based eligible clinicians and their changing world of provider reimbursements (under MACRA: Quality Payment Program)
- U.S. based Medicaid providers who receive financial incentives under the Meaningful Use Stage 3 program
- U.S. based eligible hospitals who receive financial incentives under the Meaningful Use Stage 3 program
- Consultants and companies who are providing MACRA-QPP technical assistance
- EHR vendors striving to certify their EHR under the ONC 2015 EHR Certification Program
- Countries considering the introduction of value-based payments model in conjunction with EHR adoption/usage

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

- Explain what MACRA: QPP is, who defined it, what it means and how it is relevant to HL7
- Analyze which HL7 standards are mentioned in the QPP regulation
- Describe the details of QPP and its two categories:
 - a. Advanced APM (Alternate Payment Models)
 - b. MIPS (Merit-based Incentive Payment System)
- Explain what Meaningful Use is, who defined it, and what it means
- Describe the details of Meaningful Use Stage 3 objectives and measures
- Receive feedback from the street: experiences of physician practices complying with MACRA & MU regulations

Faculty:

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

TH17

Driving Health Information Exchange Using XDS with CDA and FHIR

Thursday, October 4 / 1:45 – 5:00 pm

This is a practical session on how to use IHE XDS and HL7 FHIR using CDA documents as the payload and freely available open source toolkits to assist implementers. Why reinvent the wheel?

This Tutorial Will Benefit:

- Managers, architects and implementers of health exchange projects who wish to learn more about standards-based health exchange

Upon Completion of This Tutorial, Students Will Know:

- Key IHE profiles that should be considered to support document exchange
- HL7 FHIR profiles also supporting document exchange
- Where to find open-source tools supporting XDS and CDA in several programming languages
- The HL7 standards that these profiles use, and where to find more details about them

Prerequisites:

- Students should have a basic understanding of healthcare workflows

Faculty:

Keith Boone: Director, HL7 Board of Directors; Interoperability Guru, GE Healthcare IT

TRACK 4: HL7 PROCESS AND GENERAL INTEREST (FREE)

F1/F3

Orientation for First-Time Attendees – FREE TUTORIAL

Sunday, September 30 / 3:00 pm – 4:00 pm
Monday, October 1 / 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. It will be offered twice during the meeting—once on Sunday evening and again on Monday morning.

Faculty:

Ken McCaslin, FHL7: Co-Chair, Orders and Observations Work Group; Past Chair, HL7 Technical Steering Committee; Past Board Member, HL7 International; Past Steering Division Co-Chair, HL7 Technical Steering Committee; Co-Chair, LRI/LOI IG Work Group

F2

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

Sunday, September 30 / 4:00 pm – 5:00 pm

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:

Ken McCaslin, FHL7: Co-Chair, Orders and Observations Work Group; Past Chair, HL7 Technical Steering Committee; Past Board Member, HL7 International; Past Steering Division Co-Chair, HL7 Technical Steering Committee; Co-Chair, LRI/LOI IG Work Group

F4

ISO IDMP, Substances and Allergies – FREE TUTORIAL

Monday, October 1 / 7:00 am – 8:00 am

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

Panagiotis Telonis: Scientific Administrator, EMA

F5

Incorporating SNOMED CT Concepts in HL7 Standards – FREE TUTORIAL

Tuesday, October 2 / 7:00 am – 8:00 am

Want to use SNOMED CT content in a standard? Need additions to SNOMED CT content for your standard to function as needed? This tutorial will go through the process for inclusion and for requests for change and will help you ensure you know what is needed **before** you go to harmonization.

This Tutorial Will Benefit:

- All who develop HL7 standards with content from external terminology systems
- Those who prepare harmonization proposals which include such content

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

- Understand what use of SNOMED CT means and implies
- Use and maintain the appropriate version of SNOMED CT in your standard
- Analyze when a request for change to SNOMED CT is needed
- Be able to request changes, additions or promotion of SNOMED CT content for HL7 use case
- Know licensing basics for SNOMED CT use in HL7 standards and information exchange
- Know where to go if you have additional questions on:
 - SNOMED CT code selection and use
 - SNOMED CT licensing for HL7 use
 - SNOMED CT international relationships with HL7 International
- What you need for HL7 harmonization involving SNOMED CT concepts

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; SKMT Governance Committee, ISO Representative and Administrator of SKMT

F6

Work Group Facilitator Training Workshop – FREE TUTORIAL

Wednesday, October 3 / 7:00 am – 8:00 am

This tutorial provides the skills required to be an effective HL7 work group facilitator. The role of the facilitator is to encourage full participation, promote mutual understanding, and foster participatory decision making.

This Tutorial Will Benefit:

- Anyone who wants to improve their knowledge and skills in facilitating HL7 work group meetings and calls. In particular, current facilitators and workgroup chairs

Upon Completion of This Tutorial, Students Will Know:

Various facilitator roles within HL7

- The dynamics of group decision making
- Facilitative listening skills
- How to deal with difficult dynamics
- Principles for building sustainable agreements

Faculty:

AbdulMalik Shakir, FHL7: President and Chief Informatics Scientist, Hi3 Solutions; Principal Consultant, Shakir Consulting

F7

GS1 Standards for Supply Chain Meets HL7 – FREE TUTORIAL

Wednesday, October 3 / 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) and more.

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.
- 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 others

Faculty:

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

F8

Newly Elected Co-Chair Training – FREE TUTORIAL

Thursday, October 4 / 7:00 am – 8:00 am

This session is intended for newly elected work group co-chairs. The purpose of the session is to introduce the co-chair responsibilities, review work group and balloting procedures, share tips on managing a work group, provide a framework for common operation among all work groups, and general Q&A session.

Faculty:

Karen Van Hentenryck: HL7 Associate Executive Director

F9

How to Develop and Teach a Tutorial – FREE TUTORIAL

Thursday, October 4 / 7:00 am – 8:00 am

This is a free session for those who develop or deliver HL7 tutorials and are looking for guidance on how to make improvements or get assistance with the development of training specifications or plans and materials. Please plan to bring your ideas, issues and documents with you to this session.

This Tutorial Will Benefit:

- Tutorial presenters and developers

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

- Submit quality tutorial proposals and plans
- Improve presentations in HL7 tutorial
- Improve learning outcomes of HL7 tutorials

Prerequisites:

- How to Design and Deliver an HL7 Tutorial

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; SKMT Governance Committee, ISO Representative and Administrator of SKMT

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®												
HL7 FHIR Connectathon	S1	McKenzie/ Kramer/ Grieve	9am- 10pm	★								
HL7 FHIR Experience	WT1	Simone/ Smithies/ Haas							★	★	★	★
Introduction to HL7 FHIR	T4	Smithies					★					
Designing and Architecting HL7 FHIR Solutions	T5	McKenzie					★					
Introduction to HL7 FHIR for Clinicians and Decision Makers	T7	Hay						★				
HL7 FHIR Profiling	T8	Rutten						★				
Introduction to HL7 FHIR for Software Developers	T9	Ettema						★				
HAPI on HL7 FHIR	W10	Agnew							★			
Clinical Documents on HL7 FHIR	W11	Geimer							★			
Understanding and Using Terminology in HL7 FHIR	W12	Hausam								★		
Clinical Genomics Using HL7 FHIR	W13	Alterovitz								★		
HL7 FHIR for Clinical and Administrative Workflows	TH14	Peytchev									★	
Track 2—CDA® & C-CDA												
Introduction to Clinical Document Architecture	T6	Beebe					★					
Consolidated CDA 2.1	TH16	Geimer										★
Track 3—Special Interest												
Overview of HL7 Standards for Interoperability	M1	Kaminker				★						
International Mobile Health Standards (HL7, IEEE, ISO/TC215)	M2	Datta				★						
Understanding the Clinical Quality Language – The Standard, Its Applications and Its Potential	M3	Skapik				★						
The Changing World of Provider Reimbursement (Volume to Value) - Role of Standards	TH15	Datta									★	
Driving Health Information Exchange Using XDS with CDA and FHIR	TH17	Boone										★
Track 4—HL7 Process and General Interest—FREE TUTORIALS												
Orientation for First-Time Attendees	F1/F3	McCaslin		3–4pm	7–8							
Understanding the HL7 International Organization – From Process to Governance	F2	McCaslin		4–5pm								
ISO IDMP, Substances and Allergies	F4	Hay/Telonis			7–8							
Incorporating SNOMED CT Concepts in HL7 Standards	F5	Grain					7–8					
Work Group Facilitator Training Workshop	F6	Shakir							7–8			
GSI Standards for Supply Chain Meets HL7	F7	Hay							7–8			
Newly Elected Co-Chair Training	F8	Van Hentenryck									7–8	
How to Develop and Teach a Tutorial for HL7	F9	Grain									7–8	

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Affiliate Due Diligence Committee	Q2											
Anesthesia	Will not meet in September/October											
Architectural Review Board	Q2									Q3		
Arden Syntax				★	Q1							
Attachments				★	★	★	★	★	★			
Biomedical Research & Regulation				★	★	★	★	★	★	★		
Birds of a Feather–Inferno: A New HL7 FHIR Testing Tool from ONC						Lunch & 5:15-6:45						
Board of Directors' Meeting					★	★						
CDA Management Group				Q4								
Clinical Decision Support				Q4	★	★	★	★				
Clinical Genomics				★	★	★	★	★				
Clinical Information Modeling Initiative		★		★	★	Lunch & ★	★	★	★	Q3		
Clinical Interoperability Council				Q3	Q2	Q3	★	★		Q4		
Clinical Quality Information				★	★	★	★	★	Q1	Q4		
Clinicians on FHIR								Lunch			★	Q3
Co-Chair Information				5:15-7:00					7:00-8:00			
Community-Based Care and Privacy				★		★	Q1	★	Q1			
Conformance				★	★	Q4	Q2	★	★			
Education				Lunch & ★					★			
Electronic Health Records				★	★	★	★	★	★	Q3		
Electronic Services and Tools					Q2				★			
Emergency Care				★	Q1	Q4		Q4		Q3		
Facilitators' Roundtable Dinner/Meeting										5:30-6:30		
FHIR Connectathon (Note: There is also a meeting scheduled for Saturday, 9/29/2018, 9:00am–10:00 pm)	★	Lunch & ★										
FHIR Infrastructure				★ & 6:00-7:00	★	Lunch & ★	★	★	★	Q3 & 5:30-6:30	Q1	
FHIR Management Group		Lunch		Lunch						Q4		
Financial Management							★	★				
Governance and Operations Committee					Q2							
HL7 Terminology Authority	Q2	Q3										
Health Care Devices				★	★	★	★	★	★	★		
Imaging Integration				Q4	★	★	★	★	★	★		
Implementable Technology Specifications					★	★						
Infrastructure & Messaging				Q4	Q1				Q1			
International Council		Lunch & ★								Lunch & ★		

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
Learning Health Systems					Q1			Q3	Q1	Q4		
Mobile Health					Q1	5:15-6:15	★	Q3	★		★	
Modeling & Methodology				Q4			★	Q3		5:30-6:30		
Networking Reception								5:15-6:45				
Nurses Breakfast/Meeting					7:00-8:00							
Orders & Observations				★	★	★	★	★	★	★	Q1	
Patient Administration				★	★	★	★	★	★	★		
Patient Care				★	★	★	★	Q4	★	Lunch & ★		
Pharmacy				★	★	★	★	★	★	★		
Physicians Breakfast/Meeting							7:00-8:00					
Policy Advisory Committee					Q1		Q1					
Process Improvement Committee				Q4								
Product Line Architecture Program											8:00-9:00	
Project Services										Q3		
Public Health				★	★	★	★	★	★	★		
Publishing				Q4			★	Q3				
Security				★	★	★	Q1	★	★			
Services Oriented Architecture				★	★	★	★	★				
Standards Governance Board	Q2						7:00-8:00				★	
Steering Divisions: Administrative Clinical Infrastructure Organizational Support				7:00-8:30								
Structured Documents				★	★	★	★	★	★	★		
Technical Steering Committee Meetings (Note: There is also a meeting scheduled for Saturday, 9/29, 9:00–5:00 pm)		5:15-6:15		5:15-6:15			7:00-8:00	Lunch				
Templates				Q3				Q3	Q1		Q1	
US Realm Steering Committee					7:00-8:00							
Vocabulary		Q4		★	★	★	★	★	★	★ & 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.

HL7 Working Group Meetings

REGISTRATION HOURS

Sunday	8:30–5:00 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

Monday – Thursday	7:30–8:30 am	Light Continental Breakfast
Friday	8:00–9:00 am	Light Continental Breakfast
Sunday – Friday	10:30–11:00 am	Morning Break
Sunday – Friday	12:30–1:30 pm	Lunch
Sunday – Thursday	3:00–3:30 pm	Afternoon Break

PLENARY & GENERAL SESSION ROOM

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

Monday	8:30–12:30 pm	Plenary Meeting
Tuesday	8:00–8:45 am	CEO, CTO, TSC, and International Council Reports, Announcements
Wednesday	8:00–8:45 am	Annual Business Meeting, HL7 Board Report, Awards Presentations, Announcements
Thursday	8:--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

AFFILIATE DUE DILIGENCE (ADDC)

Sunday	11:00–12:30 pm	MEETING
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ANESTHESIA (GAS)

Will not meet in September/October

ARCHITECTURAL REVIEW BOARD (ARB)

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

ARDEN SYNTAX (AS)

Monday	1:45–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/CDS

ATTACHMENTS

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

BIOMEDICAL RESEARCH AND REGULATION (BR&R)

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

BIRDS OF A FEATHER–INFERNO: A NEW FHIR TESTING TOOL FROM ONC

Tuesday	12:30–1:30 pm	MEETING
	5:15–6:45 pm	MEETING
	5:30–6:30 pm	MEETING

BOARD OF DIRECTORS' MEETING

Tuesday	9:00–5:00 pm	MEETING
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CDA MANAGEMENT GROUP

Monday	3:30–5:00 pm	MEETING
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CLINICAL DECISION SUPPORT (CDS)

Monday	3:30–5:00 pm	Joint w/FHIR-I, II, InM, MnM, O&O, 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	Joint w/CQI, CIMI
	11:00–12:30 pm	Joint w/CQI
	1:45–3:00 pm	Joint w/CQI, Pharm
	3:30–5:00 pm	Hosting: CIMI, CQI

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	1:45–5:00 pm	MEETING
Monday	1:45–3:00 pm	Joint w/O&O, CQI
	3:30–5:00 pm	MEETING
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
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ PC, CQI, Voc
Wednesday	9:00–10:30 am	Joint w/CQI, CDS
	11:00–12:30 pm	Joint w/CIC
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/CDS, CQI
Thursday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/Voc

CLINICAL INTEROPERABILITY COUNCIL (CIC)

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

CLINICAL QUALITY INFORMATION (CQI)

Monday	1:45–3:00 pm	Joint w/O&O, CIMI
	3:30–5:00 pm	MEETING
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	Hosting: CDS, CIMI
	11:00–12:30 pm	Hosting: CDS
	1:45–3:00 pm	Hosting: CDS, Pharm
	3:30–5:00 pm	Joint w/CDS, CIMI
Thursday	9:00–10:30 am	MEETING
	3:30–5:00 pm	Joint w/LHS, CIC, PC, PH

CLINICIANS ON FHIR

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

CO-CHAIR INFORMATION

Monday	5:15–7:00 pm	Co-Chairs Dinner/Meeting (Open Meeting; however, open for dinner ONLY to Co-Chairs. Co-Chairs MUST register if you they wish to attend the dinner/meeting)
Thursday	7:00–8:00 am	Newly Elected Co-Chair Training

COMMUNITY-BASED CARE AND PRIVACY (CBCP)

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

CONFORMANCE (CGIT)

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

EDUCATION

Monday	12:30–1:30 pm	Education Facilitators' Roundtable
	Luncheon/Meeting	
	1:45–5:00 pm	MEETING
Thursday	9:00–12:30 pm	MEETING

ELECTRONIC HEALTH RECORDS (EHR)

Monday	1:45–3:00 pm	Hosting: CIC, EC
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Hosting: MH
	11:00–12:30 pm	Hosting: CIC
	1:45–3:00 pm	Hosting: FHIR-I
	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	Hosting: CBCP, FHIR-I, Sec
	11:00–5:00 pm	MEETING
Thursday	9:00–3:00 pm	MEETING

ELECTRONIC SERVICES AND TOOLS (EST)

Tuesday	11:00–12:30 pm	MEETING
Thursday	9:00–12:30 pm	MEETING

EMERGENCY CARE (EC)

Monday	1:45–3:00 pm	Joint w/EHR, CIC
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/PC, CIMI, LHS
	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	Meeting–Joint w/FHIR-I, MnM, Voc
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FHIR CONNECTATHON

Saturday	9:00–10:00 pm	MEETING
	12:30–1:30 pm	Luncheon
Sunday	9:00–5:00 pm	MEETING
	12:30–1:30 pm	Luncheon

FHIR INFRASTRUCTURE (FHIR-I)

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

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)

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

GOVERNANCE AND OPERATIONS (GOC)

Tuesday	11:00–12:30 pm	MEETING
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HL7 TERMINOLOGY AUTHORITY (HTA)

Sunday	11:00–3:00 pm	MEETING
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HEALTH CARE DEVICES (DEV)

Monday	1:45–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/O&O
	11:00–5:00 pm	MEETING
Wednesday–Thursday	9:00–5:00 pm	MEETING

Meetings

IMAGING INTEGRATION (II)

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

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, II, MnM, O&O, PC
Tuesday	9:00–10:30 am	MEETING
Thursday	9:00–10:30 am	Joint w/Voc, CGIT

INTERNATIONAL COUNCIL MEETING

Sunday	12:30–1:30 pm	Luncheon
	1:45–5:00 pm	MEETING
Thursday	12:30–5:00 pm	Affiliate Chair or Designated Rep 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	MEETING
Thursday	9:00–10:30 am	Joint w/PC
	3:30–5:00 pm	Hosting: CIC, CQI, PC, PH

MOBILE HEALTH (MH)

Tuesday	9:00–10:30 am	Joint w/ EHR
	5:15–6:15 pm	MEETING
Wednesday	9:00–3:00 pm	MEETING
Thursday	9:00–12:30 pm	MEETING
Friday	9:00–12:30 pm	MEETING

MODELING AND METHODOLOGY (MNM)

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

NETWORKING RECEPTION

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

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

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

PATIENT ADMINISTRATION (PA)

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

PATIENT CARE (PC)

Monday	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/FHIR-I, CDS, II, InM, MnM, O&O
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	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/PA
	3:30–5:00 pm	MEETING
Thursday	9:00–10:30 am	Hosting: LHS
	11:00–12:30 pm	MEETING
	12:30–1:30 pm	Luncheon/Meeting
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/LHS, CIC, CQI, PH

PHARMACY (PHARM)

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

PHYSICIANS BREAKFAST MEETING

Wednesday	7:00–8:00 am	MEETING
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PLENARY MEETING

Monday	8:30–12:30 pm	MEETING
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POLICY ADVISORY COMMITTEE (PAC)

Tuesday	9:00–10:30 am	MEETING
Wednesday	9:00–10:30 am	MEETING

PROCESS IMPROVEMENT (PIC)

Monday	3:30–5:00 pm	MEETING
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PRODUCT LINE ARCHITECTURE (PLA)

Friday	8:00–9:00 am	MEETING
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PROJECT SERVICES

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

Monday	1:45–3:00 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
	3:30–5:00 pm	Joint w/LHS, CIC, CQI, PC

PUBLISHING

Monday	3:30–5:00 pm	MEETING
Wednesday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Hosting: Voc

SECURITY (SEC)

Monday	1:45–5:00 pm	Joint w/CBCP
Tuesday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/CBCP
	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	Joint w/EHR, CBCP, FHIR-I
	1:45–3:00 pm	Hosting: CBCP, FHIR-I
	3:30–5:00 pm	Hosting: CBCP
Thursday	9:00–10:30 am	Hosting: CBCP, 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
Wednesday	7:00–8:00 am	Hosting: TSC
Friday	9:00–12:30 pm	MEETING

STEERING DIVISIONS

Monday	7:00–8:30 pm	Administrative Clinical Infrastructure Organizational Support
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STRUCTURED DOCUMENTS (SD)

Monday	1:45–5:00 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	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/Pharm
	1:45–5:00 pm	MEETING

Thursday	9:00–5:00 pm	MEETING
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TECHNICAL STEERING COMMITTEE (TSC)

Saturday	9:00–12:30 pm	MEETING
	12:30–1:30 pm	Luncheon
	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	Joint w/SGB
	12:30–1:30 pm	Luncheon/Meeting

TEMPLATES

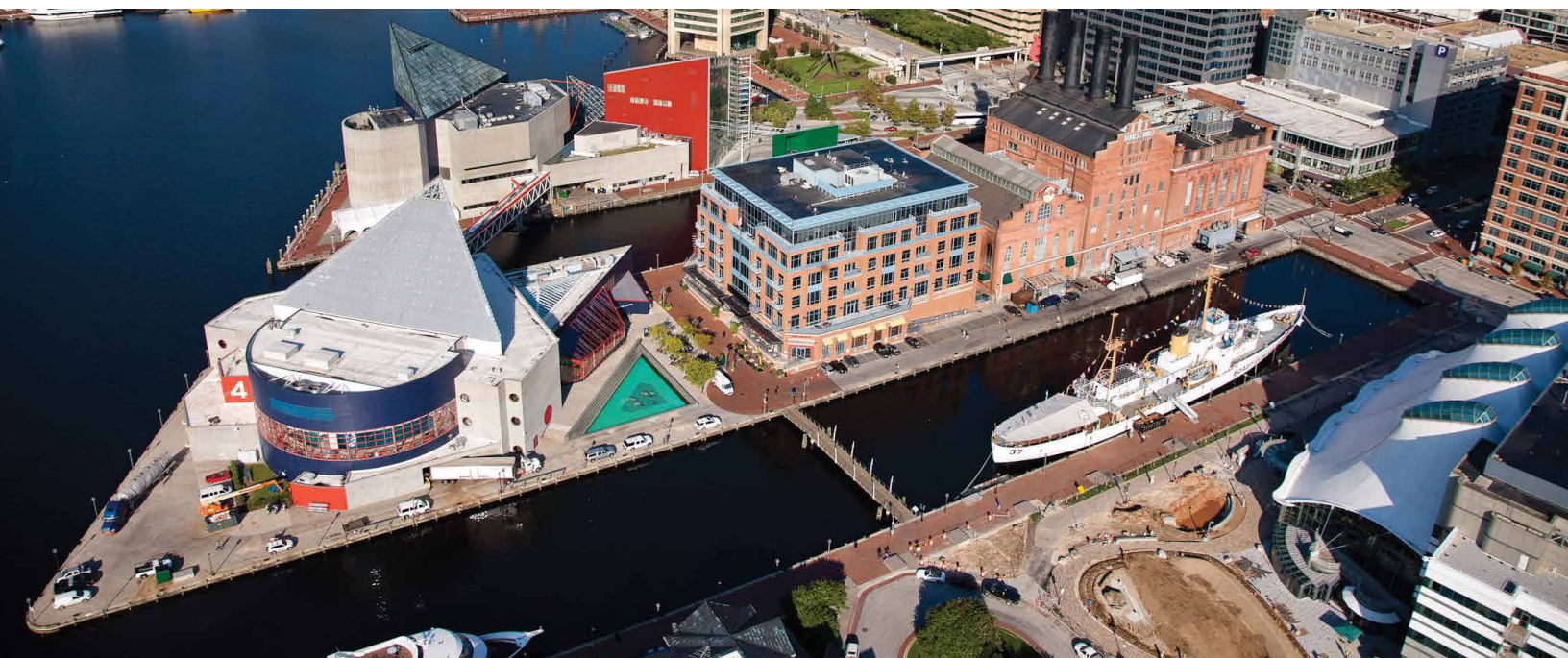
Monday	1:45–3:00 pm	MEETING
Wednesday	1:45–3:00 pm	Joint w/CGIT, FHIR-I
Thursday	9:00–10:30 am	Joint w/O&O
Friday	9:00–10:30 am	MEETING

US REALM STEERING COMMITTEE

Tuesday	7:00–8:00 am	MEETING
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VOCABULARY (VOC)

Sunday	3:30–5:00 pm	MEETING
Monday	1:45–5:00 pm	MEETING
Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: SD
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/PC, CIMI, CQI
Wednesday	9:00–10:30 am	Hosting: FHIR-I, MnM
	11:00–12:30 pm	Hosting: MnM
	1:45–3:00 pm	Joint w/ Publishing
	3:30–5:00 pm	MEETING
Thursday	9:00–10:30 am	Hosting: CGIT, InM
	11:00–12:30 pm	Hosting: CGIT
	1:45–3:00 pm	Hosting: CIMI
	3:30–5:00 pm	MEETING
	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 **September 7, 2018** 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 form 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 **September 14, 2018**. After that time, registrations can only be made on-site. All on-site 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, meeting registration fees will not be refunded.

DRESS

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

MEALS

Continental breakfasts, refreshment breaks and lunches are included in the meeting registration fee and will be provided for all registered attendees Monday through Friday. Light continental breakfasts will be provided. Attendees wanting a full breakfast may order room service or go to the hotel restaurant at their own expense. 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's 32nd Annual Plenary & Working Group Meeting will be held at the Hyatt Regency Baltimore Inner Harbor.

HYATT REGENCY BALTIMORE INNER HARBOR
300 Light Street
Baltimore, MD 21202
Telephone: +1 (410) 528-1234
Fax: +1 (410) 685-3362
<https://www.hyatt.com/en-US/hotel/maryland/hyatt-regency-baltimore-inner-harbor/bwirb>

To reserve your room, the hotel has set up a special website registration process for HL7 attendees. HL7 attendees should log on to: <https://book.passkey.com/go/b1991a2f>

To reserve your government room, the hotel has set up a special website registration process just for HL7 attendees. Log on to <https://book.passkey.com/go/2dc5a4e6> and simply follow the reservation instructions. Requests will be noted and based on availability. Your discounted rate is \$158 per night, or prevailing Federal per diem.

Alternatively, you can call the hotel direct at 1 (888) 421-1442 and reference the name of the group as well as the desired dates for reservations. Please be sure to mention Health Level Seven to receive the discounted room rate of \$219 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, space is limited, so reserve your room early. **Discounted room rates are available only on reservations made before Friday, September 7.**

General Information

Rates are subject to all applicable state and local taxes in effect at time of check in.

Rates are subject to all applicable state and local taxes in effect at time of check in. If you need to cancel your room reservation, please do so 72 hours (three days) prior to your arrival date, and obtain a cancellation number to ensure no cancellation penalties are assessed. An early departure fee will be assigned to any guests who do not change their departure date prior to checking in.

GROUND TRANSPORTATION

The Hyatt Regency Baltimore Inner Harbor is 16 minutes, or 12.1 miles from the Baltimore Washington International Airport.

SHUTTLE SERVICE

Take advantage of the Supreme Shuttle service to drive you to the downtown Baltimore hotel. While reservations are not required, advance reservations for trips from the airport may be placed via their 24-hour customer service line. Call 800-590-0000 to reserve in advance.

TAXI

Service is available on a first come, first serve basis from the lower level curb of all terminals. All taxis are metered. The approximate cost of a taxi ride from Baltimore-Washington International Airport to Hyatt Regency Baltimore Inner Harbor is \$35.

LOCAL TRANSPORTATION

The hotel is conveniently located only four blocks from the Metro subway system and only three blocks from the Lightrail.

PARKING

The Hyatt Regency Baltimore offers discounted self-parking at \$17 per night for overnight guests attending the conference.

Valet parking is \$42 per night.

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 September 7, 2018 is the deadline for Early Bird fees. All advance registrations must be received by end of day on September 14, 2018. After this date, registrations can ONLY be made on-site 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:

<input type="checkbox"/> Affiliate Chair	<input type="checkbox"/> Past Board Chair	<input type="checkbox"/> Tutorial Speaker
<input type="checkbox"/> First-Time WGM Attendee	<input type="checkbox"/> Plenary Speaker	
<input type="checkbox"/> HL7 Board Member	<input type="checkbox"/> Student	

Primary employment type:

<input type="checkbox"/> Academia	<input type="checkbox"/> Consultant	<input type="checkbox"/> Government	<input type="checkbox"/> Healthcare Professional
<input type="checkbox"/> Payer	<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Provider	<input type="checkbox"/> Vendor
<input type="checkbox"/> Other: _____			

☐ I am a member of an HL7 International Affiliate, employee of an HL7 organizational member or member of another eligible organization (AHIP, AIRA, ASC-X12, ASCO, ASTM, CEN/TC 251, DICOM, eHI, GS1, ICH, IEEE, IHTSDO, IRISS, LOINC, NCPDP, OASIS, OMG, Sequoia Project, WEDI) 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:

You must register for either the ALL WEEK OPTION or the DAILY FEE in addition to any tutorials that you attend.

	Members		Non-Members		Amount Due
	By 9/7	After 9/7	By 9/7	After 9/7	
Sunday – Friday Option: Please register me for the entire week. Please note that the Sunday–Friday Option does not include the cost of tutorials. <i>Please register separately for any tutorials you would like to attend on the following page.</i>	<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. <i>Please register separately for any tutorials you would like to attend on the following page.</i>	<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. <i>Please register separately for any tutorials you would like to attend on the following page.</i>	<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		Non-Members		
	By 9/7	After 9/7	By 9/7	After 9/7	
HL7 FHIR Connectathon: <input type="checkbox"/> Participant: \$450 <input type="checkbox"/> Participant: \$595 <input type="checkbox"/> Participant: \$550 <input type="checkbox"/> Participant: \$695 <input type="checkbox"/> Observer: \$550 <input type="checkbox"/> Observer: \$695 <input type="checkbox"/> Observer: \$650 <input type="checkbox"/> Observer: \$795 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. <i>Lunch and dinner will be provided on Saturday; lunch will be provided on Sunday for FHIR Connectathon participants.</i>					\$ _____
HL7 FHIR Experience: This event requires meeting registration to attend. Please be sure to register for Wednesday and Thursday above.	<input type="checkbox"/> \$370	<input type="checkbox"/> \$720	<input type="checkbox"/> \$1,090	<input type="checkbox"/> \$1,650	\$ _____

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

A lunch ticket will be included in your registration packet.

☐ I plan to attend the **Clinicians on FHIR** (Friday).

Clinicians on FHIR is limited to clinicians from all disciplines – nurses, physicians, pharmacists, nutritionists and other patient care professionals – who are registered for the Working Group Meeting. Registration before the Friday event is required. This event requires meeting registration to attend. Please be sure to register for Friday above. See page 5 for details.

Deadline for Discounted Rates: Payment must be received by September 7, 2018 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 9/7	After 9/7	By 9/7	After 9/7	

Sunday, September 30

- ☐ **Track 4—HL7 Process:** First-Time Attendees' Orientation — FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 4—HL7 Process:** Understanding the HL7 International Organization — FREE TUTORIAL (F2) — Must sign up to attend this tutorial (Please check the box.)

Monday, October 1

Morning Sessions

- ☐ **Track 4—HL7 Process:** First-Time Attendees' Orientation — FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 4—HL7 Process:** ISO IDMP, Substances and Allergies — FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)

Afternoon Sessions

- Track 3—Special Interest:** Overview of HL7 Standards for Interoperability (M1)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 3—Special Interest:** International Mobile Health Standards (M2)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 3—Special Interest:** Understanding the Clinical Quality Language (M3)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____

Tuesday, October 2

Morning Sessions

- ☐ **Track 4—HL7 Process:** Incorporating SNOMED CT Concepts in HL7 Standards — FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)
- Track 1—HL7 FHIR:** Introduction to HL7 FHIR (T4)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 1—HL7 FHIR:** Designing and Architecting HL7 FHIR Solutions (T5)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 2—CDA and C-CDA:** Introduction to Clinical Document Architecture (T6)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____

Afternoon Sessions

- Track 1—HL7 FHIR:** Introduction to HL7 FHIR for Clinicians and Decision Makers (T7)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 1—HL7 FHIR:** HL7 FHIR Profiling (T8)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 1—HL7 FHIR:** Introduction to HL7 FHIR for Software Developers (T9)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____

Wednesday, October 3

Morning Sessions

- ☐ **Track 4—HL7 Process:** Work Group Facilitator Training Workshop — FREE TUTORIAL (F6) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 4—HL7 Process:** GS1 Standards for Supply Chain Meets HL7 — FREE TUTORIAL (F7) — Must sign up to attend this tutorial (Please check the box.)
- Track 1—HL7 FHIR:** HAPI on HL7 FHIR (W10)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 1—HL7 FHIR:** Clinical Documents on HL7 FHIR (W11)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____

Afternoon Sessions

- Track 1—HL7 FHIR:** Understanding and Using Terminology in HL7 FHIR (W12)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 1—HL7 FHIR:** Clinical Genomics Using HL7 FHIR (W13)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____

Thursday, October 4

Morning Sessions

- ☐ **Track 4—HL7 Process:** Newly Elected Co-Chair Training — FREE TUTORIAL (F8) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 4—HL7 Process:** How to Develop and Teach a Tutorial for HL7 — FREE TUTORIAL (F9) — Must sign up to attend this tutorial (Please check the box.)
- Track 1—HL7 FHIR:** HL7 FHIR for Clinical and Administrative Workflows (TH14)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____
- Track 3—Special Interest:** The Changing World of Provider Reimbursement (TH15)

☐ \$115☐ \$225☐ \$340☐ \$515 \$ _____

Afternoon Sessions

- Track 2—CDA and C-CDA:** Consolidated CDA 2.1 (TH16)

☐ \$210☐ \$210☐ \$370☐ \$370 \$ _____
- Track 3—Special Interest:** Driving Health Information Exchange Using XDS with CDA and FHIR (TH17)

☐ \$115☐ \$225☐ \$340☐ \$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:



San Antonio, TX

January 12 – 18, 2019

Working Group Meeting

Hyatt Regency San Antonio
on the Riverwalk



Orlando, FL

February 11 – 15, 2019

HIMSS19 Global Conference & Exhibition

Visit HL7 Booth #4849

Orange County Convention Center



Montreal, Quebec

May 4 – 10, 2019

May International Conference & Working Group Meeting

Sheraton Le Centre



Atlanta, GA

September 14 – 20, 2019

33rd Annual Plenary & Working Group Meeting

Atlanta Marriott Marquis



Baltimore, MD

Baltimore is a perfect, contemporary blend of traditional and modern, a vibrant waterfront metropolis with small-town character. Baltimore is a colorful city on the water that allows visitors to let go and explore at their own pace. Whether exploring its unique neighborhoods, arts and culture scene, family-friendly attractions or historical treasures, Baltimore makes it easy to get around and easy to enjoy.

Baltimore is a destination that is ever-evolving with new and expanding attractions and one-of-a-kind offerings. There are more than 130 attractions to visit in Baltimore — from high art to crazy kitsch, from interactive to entertaining. Where else can visitors explore the beginnings of the American railroad, or visit the fort (Fort McHenry) that inspired Francis Scott Key to pen the National Anthem during the War of 1812?

Inner Harbor visitors can explore world famous attractions such as Harborplace and The Gallery. Enjoy shopping, dining, casual cuisine, or strolling along the waterfront promenade. Witness the mystery and majesty of underwater life at the world renowned National Aquarium. And, get a panoramic view of Baltimore from 27 stories high at the Top of the World Observation Level and Museum. Marvel at the unique hands-on exhibits at the Maryland Science Center and thrill to a movie on the five-story screen of its IMAX Theatre. Enjoy the ambiance of the dramatic Power Plant, home of the Hard Rock Cafe, Barnes & Noble Bookstore, and the first ever Disney collaborated ESPN Zone, a sports-themed entertainment restaurant. For the family to enjoy will be the new Port Discovery children's museum, with exhibits and educational devices designed by Disney.

Just minutes away from the harbor's many attractions is evidence of the city's diverse, charming neighborhoods. Hop aboard a water taxi, twirl pasta in Little Italy, or enjoy an array of nightlife in historic Fell's Point. In addition, art, music, and theater enthusiasts can enjoy Baltimore's wide range of cultural activities.

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