



Health Level Seven® International

*Unlocking the Power of Health Information*



# 30<sup>th</sup> Annual Plenary & Working Group Meeting

**September 17 – 23, 2016**

Hyatt Regency Baltimore Inner Harbor • Baltimore, MD

## Register Today!

Hotel Reservation Cutoff: Aug 25, 2016

Early Bird Registration Cutoff: Aug 26, 2016

Online Registration Cutoff: Sept 2, 2016



## New Initiatives

Look inside for this icon to discover the latest initiatives from HL7 International, such as:

- CIMI
- Consolidated CDA\*
- Healthcare Standards Integration
- HL7 FHIR\*
- HL7 for Government
- Learning Health Systems



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# Thank You to Our Sponsors

LODGING ROOM KEYS



A E G I S

WEDNESDAY PM NETWORKING RECEPTION



LANYARDS



WEDNESDAY PM COOKIE BREAK



## 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



## Letter from the Chair

### Happy Anniversary HL7 International! Thirty Years!!

Isn't it amazing! What started as a single messaging standard for an organization now provides the messaging that supports health information transfer in almost every health system in every country of the world.



Isn't it amazing! What started from a small group of individuals in one country has now grown to include members in 39 countries.

Some express concern that clinical standards have not moved along quickly enough. I am not sure it could move more quickly than it has. The healthcare industry is complex. Taking care of a single individual is ever more complex. The primary constituents—employers, consumers, payers, governments, health systems and providers have not been aligned. We are beginning to see the cooperation of competing systems in treating the patient whose care is not aligned within a specific system. At the same time, there is the realization that thinking from a business perspective is necessary for institutional survival. The newest challenge (not from within the system) is precision medicine.

Many of us may have witnessed the gradual change in the turns of technology. Many years ago, technology turns were expected every 10 years, then 5 years, then 3 years. Now it is days, weeks or months until changes/improvements are announced. Technology has moved us along—the availability of new technologies such as JSON, web services, provide the basis for more rapid development.

We have come a long way in thirty years. All of the steps (or missteps) that have been experienced have brought us to where we are. However, the work will never be complete—every time someone defines another piece of the genome, a new virus, a new cure, a new technology, the horizon broadens.

Thank you to the 'Old Timers'. Because of your vision, passion and persistence, the organization not only lives but continues to change and grow.

Thank you to each member of our global community. Each of you will continue to be the force in HL7 International continuing to be the leader in interoperability.

Finally, have a wonderful meeting. Be amazed and look back over your own time as a HL7 member, think about all you have accomplished and of the diverse set of individuals you have met and worked with during your time as an HL7 International member.

Sincerely,

A handwritten signature in cursive script that reads "Patricia A. Van Dyke".

Patricia A. Van Dyke  
Chair, Health Level Seven International, 2016-2017





# Schedule at a Glance

## Saturday, September 17

- 9:00 – 5:00pm TSC Meeting
- ★ 9:00 – 5:00pm FHIR® Connectathon

## Sunday, September 18

- 8:30 – 5:00pm REGISTRATION
- ★ 9:00 – 12:30pm FHIR Connectathon
- 9:00 – 3:00pm International Council Meeting
- ★ 12:30 – 1:30pm FHIR Management Group, FHIR Governance Board Luncheon/Meeting
- 1:45 – 3:00pm Standards Governance Board
- 1:45 – 5:00pm Application Implementation and Design (AID)
- 1:45 – 5:00pm Clinical Information Modeling Initiative (CIMI)
- 1:45 – 5:00pm Vocabulary (Voc)
- 3:00 – 4:00pm **First-Time Attendees' Orientation – FREE TUTORIAL**
- ★ 3:30 – 5:00pm **FHIR Update and Coordination Session – HL7 Co-Chairs & Facilitators ONLY – FREE TUTORIAL**
- 3:30 – 5:00pm Architectural Review Board (ARB)
- 3:30 – 5:00pm International Mentoring Committee
- 4:00 – 5:00pm **Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL**
- 5:00 – 6:00pm **Tutorial Development Workshop – FREE TUTORIAL**
- 5:15 – 6:15pm Patient Care (PC)
- 5:15 – 6:15pm TSC Meeting

## Monday, September 19

- 7:00 – 8:00am **First-Time Attendees' Orientation – FREE TUTORIAL**
- ★ 7:00 – 8:00am FHIR Governance Board
- 7:00 – 5:00pm REGISTRATION
- 7:30 – 8:30am Continental Breakfast
- 8:30 – 12:30pm Plenary Meeting
- 10:00 – 10:30am Morning Break
- ★ 12:30 – 1:30pm Education Facilitators' Roundtable Luncheon/Meeting
- ★ 12:30 – 1:30pm FHIR Management Group Luncheon/Meeting
- ★ 12:30 – 1:30pm **An Introduction to HL7 for Government – FREE TUTORIAL**
- 1:45 – 5:00pm Working Group Meetings
- 1:45 – 5:00pm **Standards for Interoperability**
- ★ 1:45 – 5:00pm **Advanced Vocabulary in HL7**
- ★ 1:45 – 5:00pm **Introduction to HL7 FHIR**
- 3:00 – 3:30pm Afternoon Break
- 5:15 – 7:00pm Co-Chairs Dinner/Meeting (Must register)
- 7:00 – 8:30pm Domain Experts Steering Division
- 7:00 – 8:30pm Foundation & Technology Steering Division
- 7:00 – 8:30pm Structure & Semantic Design Steering Division
- 7:00 – 8:30pm Technical & Support Services Steering Division

## Tuesday, September 20

- 7:00 – 8:00am **Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs – FREE TUTORIAL**
- 7:00 – 8:00am Nurses Breakfast/Meeting
- 7:00 – 5:00pm REGISTRATION
- 7:30 – 8:30am Continental Breakfast
- 8:00 – 8:45am General Session – HL7 CEO, CTO, International Council and TSC Reports, Announcements
- 9:00 – 12:30pm **Introduction to Version 2, Part 1: Control and ADT**
- ★ 9:00 – 12:30pm **Attachments for Reimbursement, Authorization and Referrals: Overview for Managers, Architects and Implementers**
- ★ 9:00 – 12:30pm **FHIR for Architects**
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Lunch – First-Time Attendees' Q & A reserved tables
- 12:30 – 1:30pm Lunch – Reserved table for LAB

- 12:30 – 1:30pm
- 1:45 – 5:00pm
- ★ 1:45 – 5:00pm
- ★ 1:45 – 5:00pm
- ★ 1:45 – 5:00pm
- 3:00 – 3:30pm

Lunch – Board of Directors'/Affiliates  
Board of Directors' Meeting  
**Introduction to Version 2, Part 2: Orders and Observations Attachments: Technical Introduction for Architects and Implementers FHIR for Specifiers**  
Afternoon Break

## Wednesday, September 21

- 7:00 – 8:00am
  - 7:00 – 8:00am
  - 7:00 – 8:00am
  - 7:30 – 8:30am
  - 7:30 – 5:00pm
  - 8:00 – 8:45am
  - 9:00 – 12:30pm
  - ★ 9:00 – 12:30pm
  - ★ 9:00 – 12:30pm
  - 9:00 – 5:00pm
  - 10:30 – 11:00am
  - 12:30 – 1:30pm
  - 12:45 – 1:15pm
  - ★ 1:45 – 5:00pm
  - 1:45 – 5:00pm
  - ★ 1:45 – 5:00pm
  - 3:00 – 3:30pm
  - 3:30 – 5:00pm
  - 5:15 – 7:15pm
- How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL**  
**GSI Standards for Supply Chain Meets HL7 – FREE TUTORIAL**  
Physicians Breakfast/Meeting  
Continental Breakfast  
REGISTRATION  
General Session – HL7 Annual Business Meeting, Awards Presentations, Announcements  
**Introduction to Clinical Document Architecture**  
**Implementing HL7 Standards Based Interoperability in Preparation for MACRA/MIPs and MU Stage 3**  
**Introduction to FHIR Development**  
Working Group Meetings  
Morning Break  
Technical Steering Committee (TSC) Luncheon/Meeting  
Lunch Panel Presentation—HL7: The Early Years Starting 1987  
**Consolidated CDA**  
**HL7 Hot Topics – Healthcare Challenges, Technological Advances and HL7's Response**  
**Understanding and Using Terminology in HL7 FHIR**  
Afternoon Break  
Product Line Architecture Program  
Networking Reception

## Thursday, September 22

- 7:00 – 8:00am
  - 7:30 – 8:30am
  - 7:30 – 5:00pm
  - 8:00 – 8:45am
  - ★ 9:00 – 12:30pm
  - ★ 9:00 – 12:30pm
  - ★ 9:00 – 12:30pm
  - 9:00 – 5:00pm
  - 10:30 – 11:00am
  - 12:30 – 5:00pm
  - 1:45 – 5:00pm
  - 1:45 – 5:00pm
  - 3:00 – 3:30pm
  - 5:30 – 8:00pm
- Newly Elected Co-Chair Training – FREE TUTORIAL**  
Continental Breakfast  
REGISTRATION  
General Session – Announcements  
**Driving Health Information Exchange Using XDS with CDA and FHIR**  
**Introduction to Health Quality Measure Format**  
**Precision Medicine via FHIR: From Design to Deployment**  
Working Group Meetings  
Morning Break  
Affiliate Chair or Designated Rep Luncheon/Meeting (**Must register**)  
**CDA Template Design in Theory and Practice**  
**Quality Reporting Document Architecture**  
Afternoon Break  
FHIR-I, MnM & Voc Facilitators' Roundtable

## Friday, September 23

- 8:00 – 8:45am
  - 8:00 – 9:00am
  - 8:00 – 1:00pm
  - 9:00 – 12:30pm
  - 9:00 – 12:30pm
  - ★ 9:00 – 3:00pm
  - 10:30 – 11:00am
  - 12:30 – 1:30pm
- No General Session  
Continental Breakfast  
Staff on hand for questions and assistance  
HL7 Terminology Authority (HTA)  
Working Group Meetings  
Clinicians on FHIR  
Morning Break  
Box Lunch

**Note: Tutorials appear in bold**

**Note: In compliance with our status as an ANSI-accredited standards developing organization, HL7 meetings are open.**



# HL7's 30th Annual Plenary Meeting

Monday, September 19, 2016  
Hyatt Regency Inner Harbor, Baltimore, MD

## Securely Accessing and Using the Right Health Data When and Where it is Needed

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8:30 – 8:40 a.m.

### Welcoming Comments

Speaker:

*Charles Jaffe, MD, PhD*

CEO, Health Level Seven International

8:40 – 10:10 a.m.

### Keynote Addresses 1

A stellar group of senior leaders in government and academia have been invited to present in a series of keynote sessions reflecting on the past and looking forward to the future, focusing on the importance of data standards in achieving interoperability and improving healthcare.

8:40 – 9:10 a.m.

**Keynote Session 1:** *Mark McClellan, MD, PhD*, inaugural director of the Duke-Robert J. Margolis, MD, Center for Health Policy at Duke University. Formerly, Administrator of CMS and later a senior fellow and director of the Health Care Innovation and Value Initiatives at the Brookings Institution.

9:10 – 9:40 a.m.

**Keynote Session 2:** *Robert Califf, MD*, Commissioner of food and drugs at the United States Food and Drug Administration. Prior to joining the FDA, Dr. Califf was a professor of medicine and vice chancellor for clinical and translational research at Duke University.

9:40 – 10:10 a.m.

**Keynote Session 3:** *Betsy Humphreys*, Deputy Director, National Library of Medicine

10:10 – 10:40 a.m.

### Break

10:40 – 11:15 a.m.

### Panel Presentation: HL7 Blast from the Past

Moderated by:

*Ed Hammond, PhD*

Panelists:

*Sue Campbell; Wayne Tracy; Clem McDonald, MD*

11:15 – 12:25 p.m.

### Keynote Addresses 2

This second group of keynote addresses will include senior leaders from healthcare providers to discuss the future of healthcare interoperability and the importance of HL7's role in the transition to digital health.

11:15 – 12:00 p.m.

**Keynote Session 4:** *Jonathan Perlin, MD, PhD*, President, Clinical Services and Chief Medical Officer of Nashville, Tennessee-based HCA and their 169 hospitals and more than 800 outpatient centers and physician practices.

12:00 – 12:25 p.m.

**Keynote Session 5:** *Jim Forbes*, Chief Technology Officer, University Health Network, Toronto, ON, Canada

12:25 – 12:30 p.m.

### Closing Comments

Speaker:

*Pat Van Dyke, RN*

Chair, HL7 International Board of Directors



# What is a Working Group Meeting?

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

- They give the 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.
- They 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 22-26 for a complete schedule of meeting times throughout the week.

## Education Tracks

HL7 has organized its courses into five tracks to make it easier to choose the educational offerings that are right for you:

### Track 1 – Version 2.x Core

HL7 Version 2 is the world's most successful healthcare interoperability standard. Originally developed in the late 1980s, it has been continually enhanced over time. The introductory tutorials familiarize students with the Version 2 messaging standard and its core domain areas, while the implementation classes provide the “how to” basics of implementation. The track also includes courses that cover conformance and profiles and XML for Version 2.

### Track 2 – Version 3 and CDA® Core

HL7 Version 3 is HL7's model-driven architecture allowing for better semantic interoperability and has been adopted by major healthcare organizations, such as the NHS in England. This track is designed to give the attendee a thorough introduction to the Version 3 family of standards. It covers Version 3 fundamentals, the Reference Information Model (RIM), messaging, documents (Clinical Document Architecture), messaging infrastructure (wrappers, transport), and the XML Implementation Technology Specification (ITS). It concludes with classes that address strategies for implementation.

### Track 3 – Special Topics

The Special Topics track offers a variety of electives that describe important HL7 standards that may not fall into

## Educational Sessions

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, Version 3, and 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 8-18.

### ★ 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.

either the Version 2 or Version 3 family. These include HL7 standards for Electronic Health Records (EHR), Security and TermInfo. The Special Topics track also offers advanced or specialized classes in Version 2 or Version 3 subjects that are not considered part of the basic core offerings. Examples include classes in Version 2 and Version 3 tooling, and domain classes such as Clinical Genomics.

### ★ Track 4 – FHIR®

This track provides tutorials and other activities focused on HL7's new Fast Healthcare Interoperability Resources 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 5 – 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. Feel free to choose whatever courses you feel are right for you from among the five tracks.*



## TRACK 1—VERSION 2 CORE

## T4 – Introduction to Version 2, Part 1: Control and ADT

Tuesday, September 20 / 9:00 am – 12:30 pm

This tutorial provides students with an overview of the Version 2.7 Standard Chapter 2 – Control and Chapter 3 – Patient Administration. It covers the major concepts and processes for the development and usage of the HL7 Version 2.x messaging standard defined in Chapter 2 – Control and applies this to a number of examples from Chapter 3 – Patient Administration.

### This Tutorial Will Benefit:

- Those new to HL7 Version 2.7 with a need to become more familiar with the fundamentals of the HL7 standard, or as a refresher

### Upon Completion of This Tutorial, Students Will Know:

- The basic function of HL7 Standard messaging components
- How to explain original and enhanced mode processing

### Faculty:

*Hans Buitendijk, FHL7:* Director, HL7 Board of Directors; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Orders and Observations Work Group; Senior Strategist, Standards & Regulations, Cerner Corporation

## T7 – Introduction to Version 2, Part 2: Orders and Observations

Tuesday, September 20 / 1:45 pm – 5:00 pm

This tutorial provides students with an overview of the Version 2 Orders and Observations messages. It describes the major concepts and provides a sampling of the type of information that can be communicated using these messages.



**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 30 of the registration form.*

### This Tutorial Will Benefit:

- Those new to HL7 Version 2.7 orders and observations with a need to become more familiar with these message types and segments specific to them

### Upon Completion of This Tutorial, Students Will Know:

- Know most commonly used order and observation message structures
- Analyze sample messages
- Interpret the Version 2 orders and observation standards

### Faculty:

*Ted Klein, MS, FHL7:* Co-Chair, HL7 Vocabulary Work Group; Klein Consulting, Inc.

## TRACK 2—VERSION 3 AND CDA®

## T5 – Attachments for Reimbursement, Authorization and Referrals: Overview for Managers, Architects and Implementers



Tuesday, September 20 / 9:00 am – 12:30 pm

This tutorial introduces the standards and workflow for attachments between providers and payers.

### This Tutorial Will Benefit:

- Managers, architects and engineers planning to implement attachments



## 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:

- Understand the standards proposed to support attachments and the relationship of these standards to clinical data exchange requirements
- Be in a position to develop strategic plans that anticipate and meet the key challenges inherent in electronic attachments

### Faculty:

*Liora Alschuler, FHL7:* Co-Chair, Process Improvement Committee; CEO, Lantana Consulting Group

*Durwin Day:* Co-Chair, Payer User Group; Co-Chair, Attachments Work Group

*Lenel James:* Senior Project Manager - Health IT, Blue Cross Blue Shield Association

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## T8 – Attachments: Technical Introduction for Architects and Implementers



Tuesday, September 20 / 1:45 pm – 5:00 pm

This tutorial introduces the technical standards and implementation challenges for attachments between providers and payers.

### This Tutorial Will Benefit:

- Architects and engineers planning to implement attachments

## Upon Completion of This Tutorial, Students Will:

- Have a fundamental understanding of the standards proposed to support attachments and the relationship of these standards to key applications required to support them
- Be in a position to develop technical strategies that anticipate and meet the key challenges inherent in implementing electronic attachments

### Prerequisites:

- High-level understanding of payer/provider workflow for attachments and Clinical Document Architecture (CDA®)

### Faculty:

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

*Durwin Day:* Co-Chair, Payer User Group; Co-Chair, Attachments Work Group

*Lenel James:* Senior Project Manager - Health IT, Blue Cross Blue Shield Association

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## W10 – Introduction to Clinical Document Architecture

Wednesday, September 21 / 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 Know:

- The history and core principles of CDA design
- How to explain the core structures of CDA and where they are appropriately used
- The basic skills necessary to understand the CDA standard and existing CDA implementation guides

### Prerequisites:

- Introduction to Version 3 (Part 1) recommended

### Faculty:

*Calvin E. Beebe, FHL7:* Co-Chair, Structure & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group, Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN



## W13 – Consolidated CDA

Wednesday, September 21 / 1:45 pm – 5:00 pm



Every ONC certified EHR must support Consolidated CDA (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 HIT 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

### Prerequisites:

- Introduction to CDA

### Faculty:

*Brett Marquard:* Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates

## TH16 – Driving Health Information Exchange Using XDS with CDA and FHIR

Thursday, September 22 / 9:00 am – 12:30 pm



This is a practical session on how to use IHE XDS and HL7 Fast Healthcare Interoperability Resources (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

## TH19 – CDA Template Design in Theory and Practice

Thursday, September 22 / 1:45 pm – 5:00 pm

In order to address requirements for healthcare data exchange, HL7's Clinical Document Architecture (CDA®) is used. To constrain the general CDA model to specific use cases, CDA template specifications as part of implementation guides are created, published and maintained.

In this tutorial, the creation of CDA templates is shown, highlighting best practice and design principles. CDA templates on document, section and entry level are crafted. It will also cover the use of repositories like the C-CDA library for easy template re-use.



## This Tutorial Will Benefit:

- Anyone who works with CDA including modelers, specification designers, analysts and implementers

## Upon Completion of This Tutorial, Students Will Know:

- How to analyze use cases for CDA document design and derive CDA components
- CDA templates, design and types
- HL7's templates STU as the base for CDA templates
- Value sets and how they are related to templates
- Best practices and strategy for design and maintenance of CDA templates, perform CDA templates creation and refinement
- How to use repositories like the C-CDA

## Prerequisites:

- Basic XML skills and general knowledge of CDA

## Faculty:

*Kai Heitmann, MD, FHL7:* CEO, HL7 Germany; Heitmann Consulting

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

## TRACK 3—HL7 SPECIAL TOPICS

### M1 – Standards for Interoperability

Monday, September 19 / 1:45 pm – 5:00 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 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 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 are still unsure about how everything fits together

## Upon Completion of This Tutorial, Students Will Know:

- How the main healthcare interoperability standards relate to each other and which is most suited for particular roles

## Faculty:

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

### M2 – Advanced Vocabulary in HL7

Monday, September 19 / 1:45 pm – 5:00 pm

This tutorial explains the governance and processes which support vocabulary and its use in HL7 standards. The appropriate use of vocabulary in health software and information exchange is important for safe, effective and unambiguous information exchange. This tutorial identifies how to correctly implement code system content into HL7 messages and content, and how to facilitate the development of code system content in HL7 standards. It covers requirements for HL7 Version 2 (V2), Version 3 (V3), CDA and Fast Healthcare Interoperability Resources (FHIR®).

## This Tutorial Will Benefit:

Those involved in the implementation or development of HL7 standards, or health information systems, including:

- Those implementing vocabulary content in IT systems based upon HL7 standards
- Those participating in the Vocabulary Work Group
- HL7 vocabulary facilitators

## Upon Completion of This Tutorial, Students Will Understand:

- HL7 processes for terminology content
- Structures for vocabulary in HL7 Version 2.x
- How coded data is represented in Version 3 messages
- How to use value sets and concept domains as they apply in HL7
- The use of OIDs in HL7 vocabulary maintenance
- The tools used to maintain and implement code systems



**Prerequisites:**

- Vocabulary 1 or equivalent. It is expected that attendees will understand the basics of V2.x message structures.

**Faculty:**

*Russ Hamm:* Co-Chair, HL7 Vocabulary Work Group; Architect Liaison, Intelligent Medical Objects (IMO)

## W11 – Implementing HL7 Standards Based Interoperability in Preparation for MACRA/MIPS and MU Stage 3



Wednesday, September 21 / 9:00 am – 12:30 pm

Meaningful Use (MU) Stage 3 of the EHR Incentive Program and the new Merit-Based Incentive Program System (MIPS) of Medicare Access & CHIP Reauthorization Act (MACRA) require implementing ONC 2015 certified health IT and using it to achieve interoperability goals including:

- Engaging patients by providing them access to their information using portals and APIs
- Exchanging data between providers
- Communicating with public health authorities and registries
- Electronically submitting quality measure data

All of these functions utilize HL7 standards. The regulations require or encourage providers to meet high thresholds on interoperability objectives using numerous HL7 standards including the Consolidated CDA (C-CDA) for patient and provider communication, API access (likely using FHIR), Quality Reporting Document Architecture (QRDA) for e-submission of quality measures, and Version 2-based implementation guides for public health. This tutorial will explain the use of HL7 standards to achieve each interoperability goal of the regulations.

**This Tutorial Will Benefit:**

- Providers implementing ONC 2015 certified technology to satisfy MU Stage 3 or MACRA/MIPs regulations in the US domain
- Vendors working on development and certification of ONC 2015 certified technology
- Other stakeholders that could benefit in utilizing interoperability features of ONC 2015 certified technologies and the HL7 standards they employ

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

- Identify and explain how HL7 standards are used to meet healthcare interoperability regulatory goals in the US domain
- Discuss implementation considerations in utilizing HL7 standards to meet the MU and MIPS objectives

**Faculty:**

*Virginia Lorenzi, FHL7:* Co-Chair, HL7 Education Work Group; Manager-HIT Standards and Collaborations; New York-Presbyterian Hospital

*Hans Buitendijk, FHL7:* Director, HL7 Board of Directors; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Orders and Observations Work Group; Senior Strategist, Standards & Regulations, Cerner Corporation

## W14 – HL7 Hot Topics – Healthcare Challenges, Technological Advances and HL7's Response



Wednesday, September 21 / 1:45 pm – 5:00 pm

Discover how the HL7 community is capitalizing on current and future technology to solve the serious problems of healthcare of today and tomorrow! This tutorial spotlights 10 different trending topics in technology or healthcare and discusses how HL7 is involved. The September 2016 class will be spotlighting the following topics:

1. Substance Abuse
2. Implantable Devices
3. Patient Privacy
4. Care Fragmentation
5. Open Source
6. Clinical Decision Support
7. Internet of Things
8. Mental Illness
9. Searching for the Cure
10. Escalating Cost

**This Tutorial Will Benefit:**

- Newcomers to HL7
- Current and new attendees interested in a breadth view of the standards with respect to current events



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

- Describe several hot topics in health and technology
- Summarize and evaluate how HL7 is connected to each topic
- Consider engaging in specific HL7 initiatives.
- Consider implementing solutions for technologies or problems using HL7
- Explore other ideas of how HL7 can help solve the problems of healthcare

#### Faculty:

Virginia Lorenzi, *FHL7*: Co-Chair, HL7 Education Work Group; Manager-HIT Standards and Collaborations; New York-Presbyterian Hospital

### TH17 – Introduction to Health Quality Measure Format

Thursday, September 22 / 9:00 am – 12:30 pm

Clinical Quality Measures (CQMs) help in measuring the quality of healthcare provided to a patient. The Health Quality Measures Format (HQMF) is HL7's specification for defining the structure and content of a CQM. It is based on the HL7 Reference Information Model (RIM) as is CDA, but uses that model to define all the information necessary to compute a quality measure and produce a mathematical result. This tutorial serves as an introduction to HQMF Release 1 and 2 and their design and use in quality measurement. It covers the HQMF R2 architecture as well as the technical specification, the role it plays in the quality measurement space and its relationship to other quality measurement standards, including the HL7 QDM-based HQMF R2 implementation guide (a US-realm guide for HQMF).

#### This Tutorial Will Benefit:

- New implementers, measure developers, policy makers, standards developers

### Upon Completion of This Tutorial, Students Will Know:

- The history and design of HQMF R1 and R2
- How to explain the structure of an HQMF R2 document and a clinical quality measure
- The HQMF R2 standard and its related implementation guides
- How HQMF R2 fits into the clinical quality workflow

#### Faculty:

Chris Millet: Co-Chair, Clinical Quality Information Work Group; Co-Founder and CEO, Lazy

### TH20 – Quality Reporting Document Architecture

Thursday, September 22 / 1:45 pm – 5:00 pm

The Quality Reporting Document Architecture (QRDA) is one of HL7's premier standards for quality reporting, particularly for capturing various kinds of quality reports. QRDA builds off of the growing Clinical Document Architecture (CDA<sup>®</sup>) standard. This tutorial will cover the structure of the QRDA specification, demonstrate how QRDA relates to other HL7 standards such as CDA and the Health Quality Measures Format (HQMF), and show how QRDA is being used and adopted in the United States.

#### This Tutorial Will Benefit:

- Implementers looking to generate quality reports using QRDA

### Upon Completion of This Tutorial, Students Will Understand:

- The different kinds of quality reports that can be represented using QRDA
- The structure of the QRDA Category 1 and QRDA Category 3 specification
- How to apply program specific guidance to the HL7 QRDA standard
- How QRDA relates to HQMF

#### Faculty:

Chris Millet: Co-Chair, Clinical Quality Information Work Group; Co-Founder and CEO, Lazy

## TRACK 4—FHIR<sup>®</sup>

### S1 – FHIR Connectathon

Saturday, September 17, 9:00 am – 5:00 pm

Sunday, September 18, 9:00 am – 12:30 pm



This connectathon runs all day Saturday and Sunday morning. 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 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 1.5 days of hands-on, heads down 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 doing as well as to help evolve the FHIR specification.

Participation in the connectathon will be as 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\\_13](http://wiki.hl7.org/index.php?title=FHIR_Connectathon_13).

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 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. Lunch is included on Saturday, but not Sunday.

## F1 – FHIR Update and Coordination Session – FREE TUTORIAL FOR CO-CHAIRS AND FACILITATORS ONLY Sunday, September 18 / 3:30 pm – 5:00 pm



This session is for co-chairs, facilitators and other key individuals driving the development of FHIR artifacts within HL7 work groups. The session will include updates on the current set of tooling, any changes to methodology or QA processes, timelines, etc. The session will also provide a forum for discussion of cross-WG issues and general FHIR-related questions arising from work group development.

### Faculty:

*Grahame Grieve, FHL7:* FHIR Product Director, HL7 International; Co-Chair, HL7 FHIR Infrastructure Work Group; Member, HL7 FHIR Governance Board; Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator, HL7 Infrastructure and Messaging Work Group; Consultant, NEHTA; National Development Manager, Health Intersections Pty Ltd

## M3 – Introduction to HL7 FHIR Monday, September 19 / 1:45 pm – 5:00 pm



FHIR (Fast Healthcare Interoperability Resources) 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 FHIR, what it can do and how their organization might best take advantage of it.

### This Tutorial Will Benefit:

- Analysts, vendors, and project managers

### 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
- Understand the relationship between FHIR and other HL7 standards such as Version 2, Version 3 messaging and CDA



## Tutorials

- 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:

*Eric M Haas, MS, DVM:* President of Health eData Inc; Haas Consulting

## T6 – FHIR for Architects

Tuesday, September 20 / 9:00 am – 12:30 pm



FHIR is attracting a great deal of attention as the next great thing in healthcare interoperability. This course will help participants understand where and how FHIR might fit into their healthcare interoperability environment and provide them with the tools they need to make judgments about when or if 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 FHIR may be used in different interoperability paradigms
- Describe how FHIR can fit in different locations in the architectural stack
- Identify architectural considerations that apply to FHIR and determine how best to address those in their own FHIR solutions
- Explain where and how profiles fit into an architectural solution
- Give guidance on if, when and how FHIR might be used within their own organization

### Prerequisites:

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

### Faculty:

*Lloyd McKenzie, PEng:* Co-Chair, HL7 FHIR Infrastructure Work Group; Member, FHIR Management Group; Co-Chair, HL7 Modeling and

Methodology Work Group; Modeling and Methodology Facilitator-at-Large; Principal Consultant, LM&A Consulting Ltd.; Senior Consultant, Information Technology Services, Gevity Consulting Inc.

## T9 – FHIR for Specifiers

Tuesday, September 20 / 1:45 pm – 5:00 pm



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:

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

### Prerequisites:

- Introduction to HL7 FHIR

### Faculty:

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



## W12 – Introduction to FHIR

### Development

Wednesday, September 21 / 9:00 am – 12:30 pm



This tutorial provides an in-depth look into the infrastructure sections of the FHIR specification. It will also cover how to design, develop and test software that uses the 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:

- Understand how resources align with object-oriented and other common software-engineering principles
- Be able to list the four of interoperability paradigms supported by FHIR
- Understand the FHIR REST service operations and how to implement them
- Understand how the Atom, Xml and JSON wire formats are used in FHIR
- Understand versioning and bundles
- Compare strategies for using object models, validation and (de)serialization
- Use relational or document-oriented storage for persistence of resources
- Understand how to implement search functionality
- Know and use the provided reference implementations

#### Prerequisites:

- An Introduction to HL7 FHIR

#### Faculty:

*David Hay, MD:* Member, FHIR Management Group; Chair, HL7 New Zealand; Product Strategist, Orion Healthcare

FHIR artifacts (datatypes, 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 Understand:

- How code systems, value sets and related vocabulary artifacts and principles are applied within the FHIR terminology resources and datatypes
- How the FHIR terminology resources and datatypes support the needs for coded data in other FHIR resources and profiles
- How to use the primary FHIR terminology resources, data types and operations for creating specifications and implementing solutions that interoperably represent and exchange coded data
- 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:

*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

## W15 – Understanding and Using Terminology in HL7 FHIR

Wednesday, September 21 / 1:45 pm – 5:00 pm



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



### TH18 – Precision Medicine via FHIR: From Design from Deployment



Thursday, September 22 / 9:00 am – 12:30 pm

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 cases for clinical genomic apps
- Understand how FHIR genomics enables clinical genomics
- Use FHIR to create a simple clinical genomic app
- Deploy a simple FHIR clinical genomic app

#### Prerequisites:

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

#### Faculty:

*Gil Alterovitz, PhD:* Co-Chair, HL7 Clinical Genomics Work Group; Assistant Professor, Harvard Medical School; Core Faculty, Computational Health Informatics Program, Boston Children's Hospital

## TRACK 5—INFORMATION FORUMS

### F2/F5 – HL7 First-Time Attendees' Orientation – FREE TUTORIAL

Sunday, September 18 / 3:00 pm – 4:00 pm

Monday, September 19 / 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 tour 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:

*Calvin E. Beebe, FHL7:* Co-Chair, Structure & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group, Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

### F3 – Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL

Sunday, September 18 / 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 Know:

- How HL7 International is structured
- The types of products that HL7 International produces
- The subject domains that HL7 standards cover
- The working group meeting format
- How HL7 International ballots

#### Faculty:

*Calvin E. Beebe, FHL7:* Co-Chair, Structure & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group, Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

### F4 – Tutorial Development Workshop – FREE TUTORIAL

Sunday, September 18 / 5:00 pm – 6:00 pm

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.



**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, Convenor ISO WG3-Semantic Content; Member IHTSDO Quality Assurance Committee and Education SIG; Chair- Standards Australia Health Informatics Committee (IT 14), Australia*

## F6 – An Introduction to HL7 for Government – FREE TUTORIAL



Monday, September 19 / 12:30 pm – 1:30 pm

This session is designed for all government employees, from novice to expert, to learn about what federal partners are present in HL7, the kind of work that has and can be done in HL7, and to meet and consider opportunities to collaborate across the government with HL7. Rather than focusing on what HL7 does, it will focus on how to be successful in advancing government work through stakeholder collaboration and consensus-based standards development. Students will first hear from HL7 experts about the existing work and tips for future success from some key stakeholders. There will also be an opportunity to engage in a government roundtable, introducing each participant, their agency's work in standards, and discuss opportunities for collaboration and success at the HL7 Baltimore meeting and beyond.

**Faculty:**

*Julia Skapik, MD: Medical Officer, Office of Standards & Technology, ONC*

## F7 – Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs – FREE TUTORIAL

Tuesday, September 20 / 7:00 am – 8:00 am

This tutorial provides an overview of the international health standards knowledge management tool (SKMT) to introduce attendees to the resource (find standards, find terms and definitions) and how it can make standards development, use and health informatics documentation in general easier and more consistent.

This tutorial also demonstrates how to retrieve, enter and update information in the SKMT, and introduces the process for harmonization across SDOs internationally and how HL7 engages with this process.

**This Tutorial Will Benefit:**

- Standards developers
- Those who use and work with the terms, concepts used by healthcare standards
- Those who wish to know about projects and publications of other SDOs to improve harmonization and reduce duplication of effort

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

- Explain the purpose and utility of the SKMT
- Know how to find and register for access to the SKMT
- Explain the process for maintenance of the content for HL7 in the tool including SDO harmonization trials
- Apply the guidelines for development of quality definitions

**Faculty:**

*Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group, Convenor ISO WG3-Semantic Content; Member IHTSDO Quality Assurance Committee and Education SIG; Chair- Standards Australia Health Informatics Committee (IT 14), Australia*



### F8 – How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL

Wednesday, September 21 / 7:00 am – 8:00 am

This is an information session which introduces design and delivery of HL7 tutorials and provides tools and resources to assist in these tasks. The course will assist in production of focused, outcome driven educational activities.

#### This Tutorial Will Benefit:

- Anyone who delivers or intends to deliver or develop tutorial information for HL7

#### Upon Completion of This Tutorial, Students Will Understand:

- The need to identify appropriate content and methodology to meet stakeholder need
- How to develop of competencies to meet need
- How to identify expected background of learners
- What a learning plan needs to contain, breaking content into defined timeslots and identified resources/exercises
- Delivery methods and assessment methods and tools
- The need to measure assessment and content against competencies
- How to prepare proposal for HL7 education
- How to undertake basic tutorial quality review

#### Faculty:

*Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group, Convenor ISO WG3-Semantic Content; Member IHTSDO Quality Assurance Committee and Education SIG; Chair-Standards Australia Health Informatics Committee (IT 14), Australia*

### F9 – GS1 Standards for Supply Chain Meets HL7 – FREE TUTORIAL

Wednesday, September 21 / 7:00 am – 8:00 am

This session will provide 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://bit.ly/297YiK>
- It is also useful to have consulted the following documentation:
  - Information about EPC IS: [www.gs1.org/epcis](http://www.gs1.org/epcis)
  - Information about UNSPSC: [www.unspsc.org](http://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*

### F10 – Newly Elected Co-Chair Training – FREE TUTORIAL

Thursday, September 22 / 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*



Topic	Class ID	Instructor	SUN PM	MON AM	MON PM	TUE AM	TUE PM	WED AM	WED PM	THU AM	THU PM
<b>Track 1—Version 2.x Core</b>											
Introduction to Version 2, Part 1: Control and ADT	T4	Buitendijk				★					
Introduction to Version 2, Part 2: Orders and Observations	T7	Klein					★				
<b>Track 2—Version 3 and CDA Core*</b>											
★ Attachments for Reimbursement, Authorization and Referrals: Overview for Managers, Architects and Implementers	T5	Day/James/Alschuler				★					
★ Attachments: Technical Introduction for Architects and Implementers	T8	Day/James/Geimer					★				
Introduction to Clinical Document Architecture	W10	Beebe						★			
★ Consolidated CDA	W13	Marquard							★		
★ Driving Health Information Exchange Using XDS with CDA and FHIR	TH16	Boone								★	
CDA Template Design in Theory and Practice	TH19	Heitmann/Geimer									★
<b>Track 3—Special Topics</b>											
Standards for Interoperability	M1	Kaminker			★						
Advanced Vocabulary in HL7	M2	Hamm			★						
★ Implementing HL7 Standards Based Interoperability in Preparation for MACRA/MIPs and MU Stage 3	W11	Lorenzi/Buitendijk						★			
★ HL7 Hot Topics: Healthcare Challenges, Technological Advances & HL7's Response	W14	Lorenzi							★		
Introduction to Health Quality Measure Format	TH17	Millet								★	
Quality Reporting Document Architecture	TH20	Millet									★
<b>Track 4—FHIR*</b>											
★ FHIR Connectathon	S1	McKenzie/Kramer/Grieve	Sat-Sun								
★ FHIR Update and Coordination Session - HL7 Co-Chairs & Facilitators ONLY - FREE TUTORIAL	F1	Grieve	Q4								
★ Introduction to HL7 FHIR	M3	Haas			★						
★ FHIR for Architects	T6	McKenzie				★					
★ FHIR for Specifiers	T9	Rutten					★				
★ Introduction to FHIR Development	W12	Hay						★			
★ Understanding and Using Terminology in HL7 FHIR	W15	Hausam							★		
★ Precision Medicine via FHIR: From Design to Deployment	TH18	Alterovitz								★	
<b>Track 5—Information Forums—FREE TUTORIALS</b>											
First-Time Attendees' Orientation	F2/F5	Beebe	3:00-4:00	7:00-8:00							
Understanding the HL7 International Organization – From Process to Governance	F3	Beebe	4:00-5:00								
Tutorial Development Workshop	F4	Grain	5:00-6:00								
★ An Introduction to HL7 for Government	F6	Skapik		12:30-1:30							
Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs	F7	Grain				7:00-8:00					
How to Design and Deliver an HL7 Tutorial	F8	Grain						7:00-8:00			
GS1 Standards for Supply Chain Meets HL7	F9	Hay						7:00-8:00			
Newly Elected Co-Chair Training	F10	Van Hentenryck								7:00-8:00	



	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Affiliate Due Diligence Committee					Q1							
Anesthesia	Will not meet in September											
Application Implementation and Design		★		Q3			Q1					
Architectural Review Board		Q4								Q3		
Arden Syntax					★	★						
Attachments				★	★	★	★	★	★	★		
Biomedical Research Integrated Domain Group							Q1	★	★	★		
Birds of a Feather: Adding Patients and Caregivers to the Flock								5:15– 6:15				
Birds of a Feather: Bridging Emergency Patient Information Between Hospital Systems and Emergency Services						5:15– 6:15						
Birds of a Feather: Enterprise Architect						5:15– 6:15						
Birds of a Feather: Government Roundtable: Success in Policy and Programs through Standards						5:15– 6:15						
Birds of a Feather: Podiatry Needs a Functional Profile Now!!						5:15– 6:15						
Board of Directors' Meeting						Lunch & ★						
Child Health								Q4	★	Q4		
Clinical Decision Support							Q2	★	Q1	★		
Clinical Genomics				★	★	★	★	★				
Clinical Information Modeling Initiative		★		Lunch & Q4	Q2	Q3	Q2	Q3	Q1			
Clinical Interoperability Council				★	Q1	★	★	★	★	★		
Clinical Quality Information				★	★	Q4	★		★			
Clinical Statement										Q3		
★ Clinicians on FHIR											★	Q3
Co-Chair Information				5:15– 7:00		Lunch			7:00–8:00			
Community Based Collaborative Care				★	Q2	★	Q2	Q4				
Conformance & Guidance for Implementation/Testing				★	★	Q4		★				
Education				Lunch & ★					★			
Electronic Health Records				★	★	★	★	★	★	★		
Electronic Services and Tools				Q3	Q2				★			
Emergency Care				Q4			Q2	Q4	Q2			
Facilitators' Roundtable Dinner/Meeting										5:30–8:00		
★ FHIR Connectathon (Note: There is also a meeting scheduled for Saturday, 9/17/16, 9:00–5:00 pm)	★											
★ FHIR Governance Board			7:00–8:00									
★ Fast Healthcare Interoperability Resources Infrastructure				★		★	★	Q4		5:30–8:00		
★ FHIR Management Group		Lunch		Lunch						Q4		
Financial Management				Q3			★	★				
First-Time Attendees' Orientation		3:00–4:00	7:00–8:00			Lunch						
General Session					8:00–8:45		8:00–8:45		8:00–8:45			
Governance and Operations Committee							Q2					

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 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
HL7 Terminology Authority											★	
Health Care Devices				★	★	★	★	★	★	★		
Healthcare Standards Integration						Q4				Q4		
★ Imaging Integration					★	★	★	★				
Implementable Technology Specification					★	Q3						
Infrastructure & Messaging					★	★						
International Council	★	Lunch & Q3								Lunch & ★		
Learning Health Systems							Q2	Q3	Q1			
Lunch Panel Presentation—HL7: The Early Years Starting 1987								12:45 -1:15				
★ Mobile Health							★	Q3				
Modeling & Methodology						Q3	★		Q2	5:30-8:00		
Networking Reception								5:15-7:15				
Nurses Breakfast/Meeting					7:00-8:00							
Orders & Observations					★	★	★	Q4	★	Q4	★	
Patient Administration				★	★	★	★	★	★	★		
Patient Care		5:15-6:15		Q3	★	★	Q1	★	★	Lunch & Q4		
Pharmacy				★	★	Q3	★	★	★	★		
Physicians Breakfast/Meeting							7:00-8:00					
Plenary Meeting			8:30-12:30									
Policy Advisory Committee							Q1					
Process Improvement Committee				Q4								
Product Line Architecture Program								Q4				
Project Services										Q3		
Public Health & Emergency Response				★	★	★	★	★	Q2	★		
Publishing				V2-Q4			★	V2-Q3				
Regulated Clinical Research Information Management				★		Q4						
Security					★	★		★	★			
Services Oriented Architecture				★	★	★	★	★	★			
Standards Governance Board		Q3									★	
Steering Divisions: Domain Experts Foundation & Technology Structure & Semantic Design Technical & Support Services				7:30-8:30								
Structured Documents				★		★	★	★	Q2	★	Q2	
Technical Steering Committee Meetings (Note: There is also a meeting scheduled for Saturday, 9/17/16, 9:00-5:00 pm)		5:15-6:15						Lunch				
Templates				Q3							★	
Understanding the HL7 International Organization- From Process to Governance		4:00-5:00										
US Realm Steering Committee										Lunch		
Vocabulary		★		★	★	★		Q4	7:00-8:00 & ★	★ & 5:30-8:00		

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 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	Continental Breakfast
Friday	8:00 – 9:00 am	Continental Breakfast
Monday	10:00 – 10:30 am	Morning Break
Tuesday – Friday	10:30 – 11:00 am	Morning Break
Monday – Friday	12:30 – 1:30 pm	Lunch
Monday – Thursday	3:00 – 3:30 pm	Afternoon Break

## PLENARY AND GENERAL SESSION ROOM

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

Monday	8:30 – 12:30 pm	Plenary Meeting
Tuesday	8:00 – 8:45 am	HL7 CEO, CTO, International Council and TSC Reports, Announcements
Wednesday	8:00 – 8:45 am	HL7 Annual Business Meeting, 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 development organization, anyone may register to attend HL7 meetings.

## Meetings

### AFFILIATE DUE DILIGENCE COMMITTEE (ADDC)

Tuesday	9:00 – 10:30 am	MEETING
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### ANESTHESIA (GAS)

Will not meet in September

### APPLICATION IMPLEMENTATION AND DESIGN (AID)

Sunday	1:45 – 5:00 pm	Hosting: FHIR-I
Monday	1:45 – 3:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING

### ARCHITECTURAL REVIEW BOARD (ARB)

Sunday	3:30 – 5:00 pm	MEETING
Thursday	1:45 – 3:00 pm	MEETING

### ARDEN SYNTAX (AS)

Tuesday	9:00 – 5:00 pm	MEETING
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### ATTACHMENTS

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

### BIOMEDICAL RESEARCH INTEGRATED DOMAIN GROUP (BRIDG)

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

### BIRDS OF A FEATHER: ADDING PATIENTS & CAREGIVERS TO THE FLOCK

Wednesday	5:15 – 6:15 pm	SESSION
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### BIRDS OF A FEATHER: BRIDGING EMERGENCY PATIENT INFORMATION BETWEEN HOSPITAL SYSTEMS AND EMERGENCY SERVICES

Tuesday	5:15 – 6:15 pm	SESSION
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### BIRDS OF A FEATHER: ENTERPRISE ARCHITECT

Tuesday	5:15 – 6:15 pm	SESSION
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### BIRDS OF A FEATHER: GOVERNMENT ROUNDTABLE: SUCCESS IN POLICY AND PROGRAMS THROUGH STANDARDS

Tuesday	5:15 – 6:15 pm	SESSION
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### BIRDS OF A FEATHER: PODIATRY NEEDS A FUNCTIONAL PROFILE NOW!!

Tuesday	5:15 – 6:15 pm	SESSION
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### BOARD OF DIRECTORS' MEETING

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

### CHILD HEALTH (CH)

Tuesday	1:45 – 3:00 pm	Joint w/SD, EST, EC, V2 Publishing, RCRIM, Templates
Wednesday	9:00 – 10:30 am	Joint w/PC, EC, LHS
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/EHR
	3:30 – 5:00 pm	MEETING

### CLINICAL DECISION SUPPORT (CDS)

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

### CLINICAL GENOMICS (Clin Gen)

Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FMG
Tuesday – Wednesday	9:00 – 5:00 pm	MEETING

### ★ CLINICAL INFORMATION MODELING INITIATIVE (CIMI)

Sunday	1:45 – 5:00 pm	MEETING
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Monday 12:30 – 1:30 pm Luncheon/Meeting

1:45 – 3:00 pm Joint w/CIC

3:30 – 5:00 pm MEETING

Tuesday 9:00 – 10:30 am Joint w/PC, EC

11:00 – 3:00 pm MEETING

3:30 – 5:00 pm Joint w/PC, EC, FHIR-I

Wednesday 9:00 – 10:30 am Joint w/CQI, CDS

11:00 – 12:30 pm MEETING

1:45 – 3:00 pm MEETING

3:30 – 5:00 pm Joint w/CDS

Thursday 9:00 – 10:30 am MEETING

### CLINICAL INTEROPERABILITY COUNCIL (CIC)

Monday 1:45 – 3:00 pm Hosting: CIMI

3:30 – 5:00 pm MEETING

Tuesday 9:00 – 10:30 am Hosting: BRIDG, RCRIM

11:00 – 12:30 pm Joint w/EHR

1:45 – 5:00 pm MEETING

Wednesday 9:00 – 5:00 pm MEETING

Thursday 9:00 – 3:00 pm MEETING

3:30 – 5:00 pm Hosting: CQI

### CLINICAL QUALITY INFORMATION (CQI)

Monday 1:45 – 5:00 pm MEETING

Tuesday 9:00 – 10:30 am Hosting: SD

11:00 – 12:30 pm MEETING

1:45 – 3:00 pm Joint w/PC, CDS

3:30 – 5:00 pm MEETING

Wednesday 9:00 – 10:30 am Hosting: CDS, CIMI

11:00 – 12:30 pm MEETING

1:45 – 3:00 pm Joint w/PC, EC, FHIR-I, O&O, RCRIM

3:30 – 5:00 pm Joint w/EHR

Thursday 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/CIC

### CLINICAL STATEMENT (CS)

Thursday 1:45 – 3:00 pm Hosting: O&O, PC

### ★ CLINICIANS ON FHIR

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 wish to attend the dinner/meeting)

Tuesday 12:30 – 1:30 pm Lunch tables reserved for Co-Chairs

Thursday 7:00 – 8:00 am Newly Elected Co-Chair Training

### COMMUNITY BASED COLLABORATIVE CARE (CBCC)

Monday 1:45 – 5:00 pm Hosting: Sec

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 9:00 – 10:30 am Joint w/Sec, FHIR-I

### CONFORMANCE & GUIDANCE FOR IMPLEMENTATION/TESTING (CGIT)

Monday 1:45 – 5:00 pm MEETING

Tuesday 9:00 – 12:30 pm MEETING

1:45 – 3:00 pm Joint w/InM

3:30 – 5:00 pm MEETING

Wednesday 1:45 – 3:00 pm Hosting: FMG, Templates

3:30 – 5:00 pm MEETING

Thursday 9:00 – 10:30 am Joint w/Voc, FHIR-I, InM

11:00 – 12:30 pm Joint w/Voc

### DICOM WG-27

Wednesday 9:00 – 3:00 pm Joint w/II

3:30 – 5:00 pm Joint w/II, FHIR-I

### 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 MEETING

3:30 – 5:00 pm Hosting: BRIDG, PC

Tuesday 9:00 – 10:30 am Hosting: MH

11:00 – 12:30 pm Hosting: CIC

1:45 – 3:00 pm MEETING

3:30 – 5:00 pm Hosting: MH

Wednesday 9:00 – 10:30 am Hosting: CBCC, FHIR-I, Sec

11:00 – 3:00 pm MEETING

3:30 – 5:00 pm Hosting: CQI

Thursday 9:00 – 12:30 pm MEETING

1:45 – 3:00 pm Hosting: CH

3:30 – 5:00 pm MEETING

### ELECTRONIC SERVICES AND TOOLS (EST)

Monday 1:45 – 3:00 pm MEETING

Tuesday 9:00 – 10:30 am Joint w/Voc

11:00 – 12:30 pm MEETING

1:45 – 3:00 pm Joint w/SD, CH, EC, V2 Publishing, RCRIM, Templates

Thursday 9:00 – 12:30 pm MEETING

Friday 9:00 – 10:30 am Joint w/Templates, ITS, SD

### EMERGENCY CARE (EC)

Monday 3:30 – 5:00 pm MEETING

Tuesday 9:00 – 10:30 am Joint w/PC, CIMI

11:00 – 12:30 pm Joint w/PC, FHIR-I

1:45 – 3:00 pm Joint w/SD, CH, EST, V2 Publishing, RCRIM, Templates



## Meetings

Tuesday (continued)	3:30 – 5:00 pm	Joint w/PC, CIMI, FHIR-I
Wednesday	9:00 – 10:30 am	Joint w/PC, CH, LHS
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/PC, CQI, FHIR-I, O&O, RCRIM
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/PA, PHER
	11:00 – 12:30 pm	MEETING

### FACILITATORS' ROUNDTABLE DINNER/MEETING

Thursday	5:30 – 8:00 pm	Hosting: FHIR-I, MnM, Voc
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### ★ FHIR CONNECTATHON

Saturday	9:00 – 5:00 pm	MEETING
	12:30 – 1:30 pm	Luncheon
Sunday	9:00 – 12:30 pm	MEETING (No scheduled luncheon)

### ★ FHIR GOVERNANCE BOARD (FGB)

Sunday	12:30 – 1:30 pm	Luncheon/Meeting Joint w/FMG
Monday	7:00 – 8:00 am	Hosting: FMG
Thursday	3:30 – 5:00 pm	Joint w/FMG

### ★ FAST HEALTHCARE INTEROPERABILITY RESOURCES INFRASTRUCTURE (FHIR-I)

Sunday	1:45 – 5:00 pm	Joint w/AID
Monday	1:45 – 5:00 pm	Hosting: CDS, II, InM, MnM, O&O
	3:30 – 5:00 pm	Joint w/PHER
Tuesday	9:00 – 10:30 am	Joint w/ITS
	9:00 – 10:30 am	Joint w/PA
	9:00 – 10:30 am	Joint w/PC, CIMI, EC
	9:00 – 10:30 am	Joint w/SOA
	11:00 – 12:30 pm	Joint w/InM
	11:00 – 12:30 pm	Joint w/PC, EC
	11:00 – 12:30 pm	Joint w/Pharm
	1:45 – 3:00 pm	Joint w/MnM
	1:45 – 5:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PC, CIMI, EC
	3:30 – 5:00 pm	Joint w/SD
Wednesday	9:00 – 10:30 am	Joint w/EHR, CBCC, Sec
	9:00 – 10:30 am	Joint w/MnM, Voc
	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/FM
	1:45 – 3:00 pm	Joint w/PC, CQI, EC, O&O, RCRIM
	1:45 – 3:00 pm	Joint w/Sec, CBCC
	3:30 – 5:00 pm	Joint w/II, DICOM
	3:30 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/PC, SD
	9:00 – 10:30 am	Joint w/Sec, CBCC
	9:00 – 10:30 am	Joint w/Dev
	9:00 – 10:30 am	Joint w/Voc, CGIT, InM
	11:00 – 12:30 pm	Joint w/MnM
	11:00 – 12:30 pm	Joint w/O&O
	11:00 – 12:30 pm	Joint w/CQI, CDS

Thursday (continued)	11:00 – 12:30 pm	Joint w/PC, Templates
	1:45 – 3:00 pm	Joint w/CDS, CQI
	1:45 – 3:00 pm	Joint w/SD
	5:30 – 8:00 pm	Facilitators' Roundtable Dinner/Meeting – Joint w/MnM, Voc

### ★ FHIR MANAGEMENT GROUP (FMG)

Sunday	12:30 – 1:30 pm	Luncheon/Meeting Hosting: FGB
Monday	12:30 – 1:30 pm	Luncheon/Meeting
	3:30 – 5:00 pm	Joint w/Clin Gen
Wednesday	1:45 – 3:00 pm	Joint w/CGIT, Templates
Thursday	3:30 – 5:00 pm	Hosting: FGB

### FINANCIAL MANAGEMENT (FM)

Monday	1:45 – 3:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: FHIR-I
	3:30 – 5:00 pm	MEETING
Thursday	11:00 – 12:30 pm	Joint w/PA

### FIRST-TIME ATTENDEES' MEETINGS

Sunday	3:00 – 4:00 pm	ORIENTATION MEETING
Monday	7:00 – 8:00 am	ORIENTATION MEETING
Tuesday	12:30 – 1:30 pm	Lunch Tables Reserved for Q & A

### GOVERNANCE AND OPERATIONS COMMITTEE (GOC)

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

Friday	9:00 – 12:30 pm	MEETING
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### HEALTH CARE DEVICES (Dev)

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

### ★ HEALTHCARE STANDARDS INTEGRATION (HSI)

Tuesday	3:30 – 5:00 pm	MEETING
Thursday	3:30 – 5:00 pm	MEETING

### IMAGING INTEGRATION (II)

Monday	1:45 – 5:00 pm	Joint w/FHIR-I, CDS, InM, MnM, O&O
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 3:00 pm	Hosting: DICOM WG-27
	3:30 – 5:00 pm	Hosting: FHIR-I, DICOM WG-27

### IMPLEMENTABLE TECHNOLOGY SPECIFICATION (ITS)

Tuesday	9:00 – 10:30 am	Hosting: FHIR-I
	11:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/InM
Friday	9:00 – 10:30 am	Joint w/Templates, EST, SD

### INFRASTRUCTURE & MESSAGING (InM)

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

### INTERNATIONAL COUNCIL MEETING

Sunday	9:00 – 3:00 pm	MEETING
	12:30 – 1:30 pm	Luncheon
Thursday	12:30 – 5:00 pm	Affiliate Chair or their Designated Rep Luncheon/Meeting

### LEARNING HEALTH SYSTEMS (LHS)

Wednesday	9:00 – 10:30 am	Joint w/PC, CH, EC
	11:00 – 3:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING

### LUNCH PANEL PRESENTATION—HL7: THE EARLY YEARS STARTING 1987

Wednesday	12:45 – 1:15 pm	PANEL SESSION
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### MOBILE HEALTH (MH)

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

### MODELING & METHODOLOGY (MnM)

Monday	1:45 – 5:00 pm	Joint w/FHIR-I, CDS, II, InM, O&O
Tuesday	1:45 – 3:00 pm	Hosting: FHIR-I
Wednesday	9:00 – 10:30 am	Hosting: FHIR-I, Voc
	11:00 – 12:30 pm	Hosting: Voc
Thursday	11:00 – 12:30 pm	Hosting: FHIR-I
	5:30 – 8:00 pm	Facilitators' Roundtable Dinner/Meeting – Joint w/FHIR-I, Voc

### NETWORKING RECEPTION

Wednesday	5:15 – 7:15 pm	RECEPTION
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### NURSES BREAKFAST/MEETING

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

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

### PATIENT CARE (PC)

Sunday	5:15 – 6:15 pm	MEETING
Monday	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/EHR, BRIDG
	9:00 – 10:30 am	Hosting: CIMI, EC
Tuesday	11:00 – 12:30 pm	Hosting: EC, FHIR-I
	1:45 – 3:00 pm	Hosting: CDS, CQI
	3:30 – 5:00 pm	Hosting: CIMI, EC, FHIR-I
	9:00 – 10:30 am	Hosting: CH, EC, LHS
Wednesday	11:00 – 12:30 pm	Joint w/PA
	1:45 – 3:00 pm	Hosting: CQI, EC, FHIR-I, O&O, RCRIM
	3:30 – 5:00 pm	MEETING
	9:00 – 10:30 am	Hosting: FHIR-I, SD
Thursday	11:00 – 12:30 pm	Hosting: FHIR-I, Templates
	12:30 – 1:30 pm	Luncheon/Meeting
	1:45 – 3:00 pm	Joint w/CS, O&O
	3:30 – 5:00 pm	MEETING

### 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 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PHER
Wednesday – 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)

Wednesday	9:00 – 10:30 am	MEETING
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### PROCESS IMPROVEMENT COMMITTEE (PIC)

Monday	3:30 – 5:00 pm	MEETING
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### PRODUCT LINE ARCHITECTURE PROGRAM

Wednesday	3:30 – 5:00 pm	MEETING
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### PROJECT SERVICES

Thursday	1:45 – 3:00 pm	MEETING
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## PUBLIC HEALTH & EMERGENCY RESPONSE (PHER)

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

## PUBLISHING

Monday	3:30 – 5:00 pm	V2 Publishing
Tuesday	1:45 – 3:00 pm	V2 Publishing – Joint w/SD, CH, EST, EC, RCRIM, Templates
Wednesday	9:00 – 12:30 pm	V2 Publishing – MEETING
	1:45 – 3:00 pm	V2 Publishing – Hosting: Voc

## REGULATED CLINICAL RESEARCH INFORMATION MANAGEMENT (RCRIM)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/CIC, BRIDG
	11:00 – 12:30 pm	Joint w/O&O
	1:45 – 3:00 pm	Joint w/SD, CH, EST, EC, V2 Publishing, Templates
	3:30 – 5:00 pm	Hosting: BRIDG
Wednesday	1:45 – 3:00 pm	Joint w/PC, CQI, EC, FHIR-I, O&O

## SECURITY (SEC)

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

## SERVICES ORIENTED ARCHITECTURE (SOA)

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: Sec
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING

## STANDARDS GOVERNANCE BOARD

Sunday	1:45 – 3:00 pm	MEETING
Friday	9:00 – 12:30 pm	MEETING

## STEERING DIVISIONS

Monday	7:00 – 8:30 pm	Domain Experts Foundation & Technology Structure & Semantic Design Technical & Support Services
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## STRUCTURED DOCUMENTS (SD)

Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/CQI
	11:00 – 12:30 pm	Joint w/Voc
	1:45 – 3:00 pm	Hosting: CH, EST, EC, V2 Publishing, RCRIM, Templates
	3:30 – 5:00 pm	Hosting: FHIR-I
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/PC, FHIR-I
	11:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Hosting: FHIR-I
	3:30 – 5:00 pm	MEETING
Friday	9:00 – 10:30 am	Joint w/Templates, EST, ITS
	11:00 – 12:30 pm	MEETING

## TECHNICAL STEERING COMMITTEE (TSC) MEETINGS

Saturday	9:00 – 5:00 pm	MEETING
Sunday	5:15 – 6:15 pm	MEETING
Wednesday	12:30 – 1:30 pm	Luncheon/Meeting

## TEMPLATES

Monday	1:45 – 3:00 pm	MEETING
Tuesday	1:45 – 3:00 pm	Joint w/SD, CH, EST, EC, V2 Publishing, RCRIM
Wednesday	1:45 – 3:00 pm	Joint w/CGIT, FMG
Thursday	9:00 – 10:30 am	Joint w/O&O
	11:00 – 12:30 pm	Joint w/PC, FHIR-I
Friday	9:00 – 10:30 am	Hosting: EST, ITS, SD
	11:00 – 12:30 pm	MEETING

## UNDERSTANDING THE HL7 INTERNATIONAL ORGANIZATION-FROM PROCESS TO GOVERNANCE

Sunday	4:00 – 5:00 pm	ORIENTATION/INTRODUCTION
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## US REALM STEERING COMMITTEE

Thursday	12:30 – 1:30 pm	Luncheon/Meeting
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## VOCABULARY (Voc)

Sunday – Monday	1:45 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Hosting: EST
	11:00 – 12:30 pm	Hosting: SD
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Joint w/MnM, FHIR-I
	11:00 – 12:30 pm	Joint w/MnM
	1:45 – 3:00 pm	Joint w/V2 Publishing
	3:30 – 5:00 pm	MEETING
Thursday	7:00 – 8:00 am	MEETING
	9:00 – 10:30 am	Hosting: CGIT, FHIR-I, InM
	11:00 – 12:30 pm	Hosting: CGIT
	1:45 – 5:00 pm	MEETING
	5:30 – 8:00 pm	Facilitators' Roundtable Dinner/Meeting – Joint w/FHIR-I, MnM

Meeting times and locations are subject to change.

NOTE: In compliance with our status as an ANSI-accredited standards development organization, anyone may register to attend HL7 meetings.



**“EARLY BIRD” RATE DEADLINE** — Advance meeting registration, including payment, is required by August 26 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 28-30) for a schedule of meeting fees.

**TO REGISTER** — Please complete the registration form on pages 28-30 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](http://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 2. 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 30 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 cancelled, 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. 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 International's 30th Annual Plenary & Working Group Meeting will be held at:

HYATT REGENCY BALTIMORE INNER HARBOR  
300 Light Street  
Baltimore, MD 21202  
Telephone: +1 (410) 528-1234  
Fax: +1 (410) 685-3362

To reserve your room, the hotel has set up a special website registration process just for HL7 attendees. Log on to the hotel's website at

<https://resweb.passkey.com/go/HL72016> and simply follow the reservation instructions. Requests will be noted and based on availability.

To reserve your government room, the hotel has set up a special website registration process just for HL7 attendees. Log on to <https://resweb.passkey.com/go/HL72016government> and simply follow the reservation instructions. Requests will be noted and based on availability.

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 \$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, space is limited, so reserve your room early. **Discounted room rates are available only on reservations made before Thursday, August 25, 2016.** 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 approximately 15 minutes, or 12 miles from the Baltimore Washington International Airport.

Cab: \$30

Super Shuttle: \$15/each way

Light Rail: \$1.50 each way

The two transportation companies below work with the hotel quite frequently. Their service is good and pricing is competitive.

Z Best Executive

(866) 675-2271

[www.zbestexecutive.com](http://www.zbestexecutive.com)

Apollo Transportation

(410) 929-5466

[www.apollosedan.com](http://www.apollosedan.com)

**HOTEL PARKING** — The Hyatt Regency Baltimore offers discounted self-parking at \$14 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 August 26, 2016 is the deadline for Early Bird fees. All advance registrations must be received by end of day on September 2, 2016. After this date, registrations can ONLY be made on-site with payment.

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

## 2. Survey & Information

**I am a/an:**

<input type="checkbox"/> Affiliate Chair	<input type="checkbox"/> First-Time WGM Attendee	<input type="checkbox"/> Plenary Speaker
<input type="checkbox"/> Facilitator — MnM	<input type="checkbox"/> HL7 Board Member	<input type="checkbox"/> Student
<input type="checkbox"/> Facilitator — Publishing	<input type="checkbox"/> HL7 Fellow	<input type="checkbox"/> Tutorial Speaker
<input type="checkbox"/> Facilitator — Vocabulary	<input type="checkbox"/> HL7 Work Group Co-Chair	<input type="checkbox"/> Volunteer of the Year Award Recipient
<input type="checkbox"/> Facilitator — Steering Division	<input type="checkbox"/> Past Board Chair	

**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 (ADA, AHIP, AIRA, ASC-X12, ASTM, CEN/TC 251, CDISC, CHCF, CLSI, CHA, DICOM, eHI, GS1, HIMSS, HIMSS Europe, ICH, IEEE, IHE, IHTSDO, IRIS, 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](http://www.HL7.org)



- ☐ I plan to attend the **FHIR Connectathon (S1)** (Saturday—Sunday).

**Note:** 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 [Lillian@HL7.org](mailto:Lillian@HL7.org) prior to registration. Venue constraints may limit HL7's ability to meet special requests.

Lunch is provided on Saturday but **WILL NOT** be provided on Sunday for the FHIR Connectathon. Attendees must register for Sunday to receive a lunch ticket.

- ☐ 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). Please register below.

Clinicians on FHIR is open 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. See page 7 for details.

### 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
	Before 8/26	After 8/26	Before 8/26	After 8/26	
<b>Sunday – Friday Option:</b> 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"/> \$920	<input type="checkbox"/> \$1,195	<input type="checkbox"/> \$1,305	<input type="checkbox"/> \$1,720	\$ _____
<b>Monday – Friday Option:</b> 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"/> \$770	<input type="checkbox"/> \$1,045	<input type="checkbox"/> \$1,155	<input type="checkbox"/> \$1,570	\$ _____
<b>Per Day Fees:</b> 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"/> \$220/day	<input type="checkbox"/> \$290/day	<input type="checkbox"/> \$330/day	<input type="checkbox"/> \$435/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	
<b>FHIR Connectathon:</b> Please note: No partial registrations for the FHIR Connectathon will be accepted. The registration fee covers all day Saturday and Sunday morning. <i>Lunch will be provided on Saturday but not on Sunday.</i>	<input type="checkbox"/> Participant: \$295 <input type="checkbox"/> Observer: \$395	<input type="checkbox"/> Participant: \$395 <input type="checkbox"/> Observer: \$495	\$ _____
<b>Clinicians on FHIR:</b> See page 7 for details.	<input type="checkbox"/> No Fee	<input type="checkbox"/> No Fee	\$ _____

**Deadline for Discounted Rates:** Payment must be received by August 26, 2016 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

All individuals who are employed by an HL7 gold or benefactor organization must have their key member contact Mary Ann Boyle at [maryann@HL7.org](mailto:maryann@HL7.org) if they wish to use their organization's free tutorial seats for this meeting.

**Tutorial Fees:** Please register me for the following tutorials: Please note that tutorials are an additional fee to the daily meeting fee. You must also register for the days you are taking tutorials.

**SUNDAY**


- ☐ **Track 4—FHIR:** FHIR Update and Coordination Session — HL7 Co-Chairs & Facilitators ONLY — FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)  
☐ **Track 5—Information Forums:** First-Time Attendees' Orientation — FREE TUTORIAL (F2) — Must sign up to attend this tutorial (Please check the box.)  
☐ **Track 5—Information Forums:** Understanding the HL7 International Organization – From Process to Governance — FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)  
☐ **Track 5—Information Forums:** Tutorial Development Workshop — FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)

MONDAY

## Morning Sessions

- ☐ **Track 5—Information Forums:** First Time Attendees' Orientation — FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)
- ☒ **Track 5—Information Forums:** An Introduction to HL7 for Government — FREE TUTORIAL (F6) — Must sign up to attend this tutorial (Please check the box.)

### Afternoon Sessions




- |  |                                |                                |                                |                                |          |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| <b>Track 3—Special Topics:</b> Standards for Interoperability (M1)   | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
| <b>Track 3—Special Topics:</b> Advanced Vocabulary in HL7 (M2)   | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
|  <b>Track 4—FHIR:</b> Introduction to HL7 FHIR (M3) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |

## TUESDAY

## Morning Sessions

- |                          |  |                                |                                |                                |                                |          |
|--------------------------|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| <input type="checkbox"/> | <b>Track 5—Information Forums:</b> Glossary Management — FREE TUTORIAL (F7) — Must sign up to attend this tutorial (Please check the box.) |                                |                                |                                |                                |          |
|                          | <b>Track 1—Version 2.x Core:</b> Introduction to Version 2, Part I: Control and ADT (T4)   | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
| ★                        | <b>Track 2—Version 3 and CDA Core:</b> Attachments for Reimbursement, Authorization and Referrals (T5)                                     | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
| ★                        | <b>Track 4—FHIR:</b> FHIR for Architects (T6)  | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |

## Afternoon Sessions

- |   |                                |                                |                                |                                |          |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
|  <b>Track 1—Version 2.x Core:</b> Introduction to Version 2, Part 2: Orders and Observations (T7)                | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
|  <b>Track 2—Version 3 and CDA Core:</b> Attachments: Technical Introduction for Architects and Implementers (T8) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
|  <b>Track 4—FHIR:</b> FHIR for Specifiers (T9)   | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |

## WEDNESDAY

## Morning Sessions

- ☐ **Track 5—Information Forums:** How to Design and Deliver an HL7 Tutorial — FREE TUTORIAL (F8) — Must sign up to attend this tutorial (Please check the box.)



☐ **Track 5—Information Forums:** GS1 Standards for Supply Chain Meets HL7 — FREE TUTORIAL (F9) — Must sign up to attend this tutorial (Please check the box.)

**Track 2—Version 3 and CDA Core:** Introduction to Clinical Document Architecture (W10) ☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

☒ **Track 3—Special Topics:** Implementing HL7 Standards Based Interoperability (W11) ☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

☒ **Track 4—FHIR:** Introduction to FHIR Development (W12) ☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

### Afternoon Sessions

- |  |                                |                                |                                |                                |          |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
|  <b>Track 2—Version 3 and CDA Core:</b> Consolidated CDA (W13)              | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
|  <b>Track 3—Special Topics:</b> HL7 Hot Topics (W14)                        | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
|  <b>Track 4—FHIR:</b> Understanding and Using Terminology in HL7 FHIR (W15) | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |

## THURSDAY

## Morning Sessions

- |                                     |   |                                |                                |                                |                                |          |
|-------------------------------------|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| <input type="checkbox"/>            | <b>Track 5—Information Forums:</b> Newly Elected Co-Chair Training — FREE TUTORIAL (F10) — Must sign up to attend this tutorial (Please check the box.) |                                |                                |                                |                                |          |
| <input checked="" type="checkbox"/> | <b>Track 2—Version 3 and CDA Core:</b> Driving Health Information Exchange Using XDS with CDA & FHIR (TH16)   | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
|                                     | <b>Track 3—Special Topics:</b> Introduction to Health Quality Measure Format (TH17)   | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |
| <input checked="" type="checkbox"/> | <b>Track 4—FHIR:</b> Precision Medicine via FHIR: From Design to Deployment (TH18)  | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |

## Afternoon Sessions

- |   |                                |                                |                                |                                |          |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| <b>Track 2—Version 3 and CDA:</b> CDA Template Design in Theory and Practice (TH19) | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$199 | <input type="checkbox"/> \$350 | <input type="checkbox"/> \$350 | \$ _____ |
| <b>Track 3—Special Topics:</b> Quality Reporting Document Architecture (TH20)       | <input type="checkbox"/> \$110 | <input type="checkbox"/> \$215 | <input type="checkbox"/> \$325 | <input type="checkbox"/> \$490 | \$ _____ |

**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:                      Billing Street Address:

---

Name on Card (Please Print): \_\_\_\_\_ Signature: \_\_\_\_\_



## Upcoming Working Group Meetings



## Upcoming Co-Chair Elections

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

Work Group	# being elected
Anatomic Pathology	1
Application Implementation & Design	1
Clinical Decision Support	1
Clinical Genomics	1
Clinical Interoperability Council	1
Community Based Collaborative Care	2
Conformance & Guidance for Implementation/Testing	2
Electronic Health Records	1
Emergency Care	2
FHIR Infrastructure	2
Financial Management	2
Health Care Devices	1
Healthcare Standards Integration	1
Infrastructure & Messaging	2
International Mentoring	1
Learning Health Systems	1
Mobile Health	2
Modeling and Methodology	1
Orders and Observations	1
Public Health & Emergency Response	2
Security	1
Templates	1
Vocabulary	1





# BALTIMORE, MARYLAND

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.

*Copy and photos courtesy of Visit Baltimore.*

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