



Health Level Seven® International

*Unlocking the Power of Health Information*

# INTERNATIONAL CONFERENCE & WORKING GROUP MEETING



# Madrid, Spain

May 6–12, 2017

Madrid Marriott Auditorium Hotel  
& Conference Center

Register Today!

Early Bird Registration Cutoff: April 14, 2017

Online Registration Cutoff: April 21, 2017



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## Meeting Schedule Key

Saturday-Thursday:

Q1 = 10:00 am – 11:30 pm

Q2 = 12:00 pm – 1:30 pm

Q3 = 2:45 pm – 4:00 pm

Q4 = 4:30 pm – 6:00 pm

Friday:

Q1 = 9:00 – 10:30 am

Q2 = 11:00 – 12:30 pm

Q3 = 1:45 – 3:00 pm

# Upcoming Co-Chair Elections

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

| Work Group   | # being elected |
|--|-----------------|
| Anesthesia   | 1               |
| Arden Syntax                                       | 1               |
| Clinical Quality Information                       | 2               |
| Conformance & Guidance for Implementation/Testing  | 1               |
| Electronic Health Records                          | 2               |
| Financial Management                               | 2               |
| Mobile Health                                      | 1               |
| Modeling and Methodology                           | 1               |
| Orders and Observations                            | 4               |
| Patient Administration                             | 1               |
| Patient Care                                       | 2               |
| Pharmacy   | 2               |
| Process Improvement                                | 2               |
| Regulated Clinical Research Information Management | 2               |
| Services Oriented Architecture                     | 2               |
| Structured Documents                               | 1               |
| Vocabulary   | 1               |

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MONDAY PLENARY KEYNOTE SPEAKER 2:  
THE HOLY GRAIL OF INTEROPERABILITY



LANYARDS





# Top 10 Things to Do in Madrid

## Top 10 Things to Do in Madrid

- 1. Paseo del Arte (Art Walk)**  
Visit the Prado Museum, the Thyssen-Bornemisza Museum and the Reina Sofía Museum all located within less than one mile from each other
- 2. Royal Palace**  
The largest in Western Europe
- 3. Puerta del Sol**  
The symbolic center of Madrid and one of the city's best known squares
- 4. Plaza Mayor**  
Square situated at the heart of Hapsburg Madrid (the city's historical center)
- 5. Puerta de Alcalá**  
Gate once located at the entrance to Madrid and one of the city's most iconic monuments
- 6. Cibeles Fountain**  
Marking the start of the Art Walk, this fountain is one of Madrid's icons and is a symbol of the capital
- 7. Santiago Bernabéu Stadium**  
Home to the city's Real Madrid soccer team
- 8. Las Ventas Bullring**  
The most famous bullfighting ring in the world is a beautiful Neo-Mudéjar building
- 9. El Retiro Park**  
Madrid's central park, known as the city's "green lungs" and home to over 15,000 trees
- 10. The Rastro**  
Spain's best known street market is one of the oldest in Madrid, dating back to mediaeval times



1



3



5



7



9



2



4



6



8



10

# Plenary Meeting

Monday, May 8, 2017

**Please note that during the Madrid Meeting, our schedule is as follows:**

|                  |                 |
|------------------|-----------------|
| 9:00 – 10:00 am  | General Session |
| 10:00 – 11:30 am | Q1              |
| 11:30 – 12:00 pm | Break           |
| 12:00 – 1:30 pm  | Q2              |
| 1:30 – 2:30 pm   | Lunch           |
| 2:30 – 4:00 pm   | Q3              |
| 4:00 – 4:30 pm   | Break           |
| 4:30 – 6:00 pm   | Q4              |

## Plenary Meeting Schedule

9:00 – 9:10 am

### Welcome to Madrid

*Particia Van Dyke*, Board Chair, HL7 International

*Jesús Sánchez Martos*, Madrid Regional Healthcare Minister

9:10 – 9:30 am

### State of the HL7 Union Address

*Charles Jaffe, MD, PhD*, CEO, HL7 International

9:30 – 10:00 am

### Keynote 1: European Data Economy in Health: Vision and Strategy

*Dr. Christoph Klein*, Policy Officer, DG Communications Networks, Content & Technology, Digital Society, Trust and Cybersecurity, Principal Administrator European Commission, Communications Networks, Content and Technology (CNECT), eHEALTH, Luxembourg

10:00 – 10:30 am

### Keynote 2: The Holy Grail of Interoperability

This session will examine how the NHS and Social Care in England is using Monty Python as an inspiration for resolving some of the age old problems of interoperability within health and social care services. The speakers will provide an overview of the changing demand for integrated care, and the approach being taken to accelerate delivery of it.

*Richard Jefferson*, SRO, Interoperability Domain, National Information Board, United Kingdom

*Dr. Amir Mehrkar*, Co-Founder, INTEROPen; General Practitioner, NHS, United Kingdom

10:30 – 11:00 am

### Break

11:00 – 11:30 am

### Keynote 3: Quo Vadis CI-SIS – History of the French Health Information System Interoperability Framework

This session will explain the strategy that was followed for creating the French Health Information System Interoperability Framework (CI-SIS in French). It will cover the challenges the CI-SIS has faced, its successes and failures, lessons learned and the next steps. The use of HL7 standards will be highlighted for each stage throughout the interoperability framework history.

*Manuel Metz*, Enterprise Architect and Interoperability Coordinator, ASIP Santé (the French Governmental Agency in Charge of Health Information Systems), France

11:30 – 12:00 pm

### Keynote 4: Patient Summaries: Act Locally, Think Globally

The session will address the challenges in coordinating the patient summary projects offering support to the regions of Spain and implementing cross-border services in Europe.

*Arturo Romero Gutiérrez*, HCDSNS Project Director, Subdirector General of Health Information and Innovation, Ministry of Health Social Services and Equality, Spain



# Working Group Meeting Schedule at a Glance

## Saturday, May 6

10:00 – 6:00pm TSC Meeting  
10:00 – 6:00pm FHIR® Connectathon  
1:30 – 2:30pm TSC Luncheon  
1:30 – 2:30pm FHIR Connectathon Luncheon

## Sunday, May 7

9:30 – 6:00pm REGISTRATION  
10:00 – 1:30pm FHIR Connectathon  
1:30 – 2:30pm FHIR Connectathon Luncheon  
1:30 – 2:30pm International Council Luncheon  
1:30 – 2:30pm FHIR Governance Board and FHIR Management Group Luncheon/Meeting  
2:45 – 6:00pm International Council Meeting  
2:45 – 6:00pm Application Implementation and Design (AID)  
2:45 – 6:00pm Vocabulary (Voc)  
4:00 – 5:00pm **First-Time Attendees' Orientation – FREE TUTORIAL – Spanish**  
4:00 – 5:00pm **First-Time Attendees' Orientation – FREE TUTORIAL – English**  
5:00 – 6:00pm **Understanding the HL7 International Organization-From Process to Governance – FREE TUTORIAL – Spanish**  
5:00 – 6:00pm **Understanding the HL7 International Organization-From Process to Governance – FREE TUTORIAL – English**  
5:15 – 6:15pm TSC Meeting  
6:00 – 7:00pm International Council Poster Session and Reception

## Monday, May 8

8:00 – 9:00am **First-Time Attendees' Orientation – FREE TUTORIAL – Spanish**  
8:00 – 9:00am **First-Time Attendees' Orientation – FREE TUTORIAL – English**  
8:00 – 6:00pm REGISTRATION  
9:00 – 12:00pm Plenary Meeting  
11:30 – 12:00pm Morning Break  
12:00 – 6:00pm Working Group Meetings  
1:30 – 2:30pm Education Facilitators' Roundtable Luncheon/Meeting  
2:45 – 6:00pm **Standards for Interoperability – Spanish**  
2:45 – 6:00pm **Introduction to HL7 FHIR – Spanish**  
2:45 – 6:00pm **FHIR for Clinicians and Decision Makers – FREE TUTORIAL – English**  
4:00 – 4:30pm Afternoon Break  
6:15 – 8:00pm Co-Chairs Dinner/Meeting (**Must register**)  
8:00 – 9:30pm Domain Experts Steering Division  
8:00 – 9:30pm Foundation & Technology Steering Division  
8:00 – 9:30pm Structure & Semantic Design Steering Division  
8:00 – 9:30pm Technical & Support Services Steering Division

## Tuesday, May 9

8:00 – 9:00am **Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs – FREE TUTORIAL – English**  
8:00 – 9:00am Nurses Meeting  
8:00 – 6:00pm REGISTRATION  
9:00 – 9:45am General Session  
10:00 – 1:30pm **Introduction to Version 2, Part 1: Control/Patient Administration – Spanish**  
10:00 – 1:30pm **FHIR for Architects – English**  
10:00 – 1:30pm **How to Develop University Courses in Biomedical Informatics – FREE TUTORIAL – English**  
10:00 – 6:00pm Working Group Meetings

11:30 – 12:00pm Morning Break  
1:30 – 2:30pm Board of Directors'/Affiliates Luncheon  
2:45 – 6:00pm Board of Directors' Meeting  
2:45 – 6:00pm **Introduction to Version 2, Part 2: Orders and Observations – Spanish**  
2:45 – 6:00pm **Introduction to Clinical Document Architecture – Spanish**  
2:45 – 6:00pm **FHIR for Specifiers – English**  
4:00 – 4:30pm Afternoon Break

## Wednesday, May 10

8:00 – 9:00am Physicians Meeting  
8:30 – 6:00pm REGISTRATION  
9:00 – 9:45am General Session  
10:00 – 1:30pm **Version 2 Message Profiles and Conformance – Spanish**  
10:00 – 1:30pm **Clinical Document Architecture – Advanced – Spanish**  
10:00 – 1:30pm **Introduction to FHIR Development – English**  
10:00 – 6:00pm Working Group Meetings  
11:30 – 12:00pm Morning Break  
1:30 – 2:30pm Technical Steering Committee (TSC) Luncheon/Meeting  
2:45 – 6:00pm **Version 2.7 Control Specialist Certification Exam Preparation – Spanish**  
2:45 – 6:00pm **HL7 CDA Specialist Certification Exam Preparation – Spanish**  
2:45 – 6:00pm **Understanding and Using Terminology in HL7 FHIR – English**  
4:00 – 4:30pm Afternoon Break

## Thursday, May 11

8:00 – 9:00am **Newly Elected Co-Chair Training – FREE TUTORIAL – English**  
8:30 – 6:00pm REGISTRATION  
9:00 – 9:45am General Session  
10:00 – 1:30pm **C-CDA on FHIR – English**  
11:30 – 12:00pm Morning Break  
1:30 – 2:30pm US Realm Steering Committee Luncheon/Meeting  
1:30 – 6:00pm Affiliate Chair or Designated Rep Luncheon/Meeting (**Must register**)  
2:45 – 6:00pm **Precision Medicine via FHIR: From Design to Deployment – English**  
3:00 – 5:00pm **Version 2.7 Control Specialist Certification Exam – English**  
3:00 – 5:00pm **HL7 CDA Specialist Certification Exam – English**  
4:00 – 4:30pm Afternoon Break  
6:30 – 9:00pm FHIR-I, MnM & Vocabulary Facilitators' Roundtable

## Friday, May 12

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

**Note: Tutorials appear in bold**

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

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 18-22 for a complete schedule of meeting times throughout the week.

## 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, 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 7-14.

## Clinicians on FHIR®

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

## 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 documents (Clinical Document Architecture), messaging infrastructure (wrappers, transport), attachments, 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 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\*

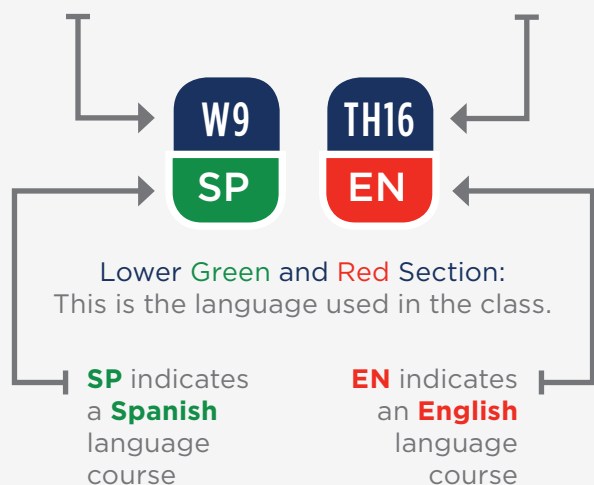
This track provides tutorials designed to support new member involvement, and help existing members become more effective in their participation in the HL7 standards development process. Tutorials included in this track are first timers' orientation, introduction to HL7 organization and process, the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

## Tutorials Icon Key

This section provides important information on how to decipher the icons associated with each tutorial class.

Upper Blue Section: This is the Class ID. Use this information to quickly find your tutorials throughout this brochure and when registering.



**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 the registration form (see page 26).



**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.

## TRACK 1—VERSION 2 CORE

**T4**

**SP**

**Introduction to Version 2, Part 1:  
Control and Patient Administration**  
Tuesday, May 9 / 10:00 am – 1:30 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:**

*Manel Domingo Falcón:* Technical Director, HL7 Spain

**T6**

**SP**

**Introduction to Version 2, Part 2:  
Orders and Observations**  
Tuesday, May 9 / 2:45 pm – 6:00 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.

**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:**

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

**W9**

**SP**

**Version 2 Message Profiles and  
Conformance**  
Wednesday, May 10 / 10:00 am – 1:30 pm

This course is designed to explore the concept of conformance within HL7 Version 2 as described in Chapter 2 of Version 2.7. Additionally, this tutorial will demonstrate

how we can apply message profiling to interoperability by improving clarity, simplifying implementations and streamlining testing. Participants will be introduced to tools that facilitate analysis and interoperability while, at the same time, fully documenting HL7 conformance.

#### This Tutorial Will Benefit:

- Anyone interested in HL7 interoperability

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

- How to measure conformance using messaging profiling
- How vendors can document their applications' implementations
- How providers can improve their RFP results by using message profiling
- How to use message profiles developed for specific domains
- The tools available to facilitate HL7 Version 2.x conformance efforts (Messaging Workbench and the Global Profile Library)
- More about HL7 conformance certification
- How to develop HL7 conformance documentation for Version 2

#### Prerequisites:

- Working knowledge of HL7 or other EDI standards (ASTM, X12)

#### Faculty:

*Fernando Campos:* Affiliate Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 Fundamentals Course, Argentina



### Version 2.7 Control Specialist Certification Exam Preparation

Wednesday, May 10 / 2:45 pm – 6:00 pm

This tutorial reviews the message definition and processing rules and data type definitions of the Control chapters of the HL7 Version 2.7 standard. Upon completion of this tutorial, students will be better prepared to take the HL7 Version 2.7 Control Specialist Certification Exam.

**Note:** Students are also expected to prepare for the exam by previous study of Chapter 2 (Control), Chapter 2A (Data Types), and Chapter 2B (Conformance) of the HL7 Version 2.7 standard.

#### This Tutorial Will Benefit:

- Anyone preparing for the HL7 Control Specialist Certification Exam
- Interface analyst specialists and managers who need to understand the technical aspects of HL7 interfaces

#### Faculty:

*Manel Domingo Falcón:* Technical Director, HL7 Spain



### HL7 Version 2.7 Control Specialist Certification Exam

Thursday, May 11 / 3:00 pm – 5:00 pm

Health Level Seven International is pleased to offer certification testing on HL7 Version 2.7, Chapter 2: Control. Certification testing is offered to those industry participants who are expected to have a working knowledge of the HL7 Messaging Standard. Interface analysts, healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates. The knowledge required to pass the test can be obtained by participation in the HL7 working group meetings, by attending HL7 education sessions, by field work dealing with HL7 interfaces, or simply by self-study of Chapter 2 and 2A of the HL7 Version 2.7 standard (the standard may be obtained via HL7 membership or non-member purchase on [www.HL7.org](http://www.HL7.org)).

**Note:** Simply taking the courses offered at this meeting will most likely not be sufficient to pass the test. We strongly recommend a combination of the aforementioned to fully prepare yourself for the exam.

**Laptop Needed!** You will need your laptop for the exam, as we will no longer give paper exams. The benefits are that you will have immediate results once you complete your exam, and a certificate will be emailed to you instantly. Internet Explorer is the recommended browser to take the exam.

## TRACK 2—VERSION 3 AND CDA®



### Introduction to Clinical Document Architecture

Tuesday, May 9 / 2:45 pm – 6:00 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 implementer, 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:

*Manel Domingo Falcón:* Technical Director, HL7 Spain

### Clinical Document Architecture – Advanced Wednesday, May 10 / 10:00 am – 1:30 pm

CDA implementation requires understanding of the CDA refinement of the RIM (the CDA RMIM), the Version 3 data types and how these combine with controlled vocabularies to form “clinical statements.” This tutorial reviews the principles of semantic interoperability with CDA and how these are reflected in the CDA model and implemented in the CDA schema. It reviews the CDA RMIM, schema and data types. In addition, the tutorial gives a detailed walkthrough of samples of CDA documents, coded using clinical statements.

#### This Tutorial Will Benefit:

- Those needing to learn more about CDA, Release 2—its derivation from the RIM and issues relevant to implementing CDA 2.0 solutions
- Implementers needing to work with CDA, and wanting a review of the details

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

- An overview of CDA’s components
- Insight into the XML markup required to implement solutions
- A better understanding of the issues surrounding semantic interoperability using CDA

## Prerequisites:

- Completion of the Clinical Document Architecture Introductory Tutorial recommended, but not required
- Basic knowledge of the Version 3 standards (as can be obtained from the Introduction to Version 3 tutorial series)

## 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

### CDA Specialist Certification Exam Preparation Wednesday, May 10 / 2:45 pm – 6:00 pm

#### Upon Completion of This Tutorial:

- Students will be better prepared to take the CDA Specialist Certification Exam

#### This Tutorial Will Benefit:

- Anyone preparing for the CDA Specialist Certification Exam
- System analysts or clinical application developers wanting in-depth understanding of the CDA Release 2 standard

- Participants are encouraged to carefully read the CDA Release 2 standard
- Introduction to Version 3 (Part 1) as well as the CDA Introductory and Advanced tutorials are strongly recommended

## Faculty:

*Fernando Campos:* Affiliate Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 Fundamentals Course, Argentina

### HL7 CDA Specialist Certification Exam Thursday, May 11 / 3:00 pm – 5:00 pm

Health Level Seven International is pleased to offer certification testing on HL7 CDA Release 2. Certification testing is offered to those participants who want to demonstrate that they have a working knowledge of the CDA Release 2 standard. Healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates.

The knowledge required to pass the exam can be obtained by attending HL7 education sessions, by field work dealing with HL7 CDA based applications, or simply by self-study of the HL7 CDA Release 2 standard. Please refer to the Study Guide on the HL7 Training and Certification page of the HL7 website for details on the content covered by the test.

Note: Simply taking the courses offered at this meeting will most likely not be sufficient to pass the exam. We strongly recommend a combination of the aforementioned to fully prepare yourself for the exam.

Laptop Needed! You will need your laptop for the exam, as we will no longer give paper exams. The benefits are that you will have immediate results once you complete your exam, and a certificate will be emailed to you instantly. Internet Explorer is the recommended browser to take the exam.

## TRACK 3—HL7 SPECIAL TOPICS

### Standards for Interoperability Monday, May 8 / 2:45 pm – 6:00 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:

*Carlos Gallego Pérez:* Master Professor in Systems and Information Technology Management and Communications; ISalut Coordination (Cross-cutting Health Projects); SIX, Carlos III Institute; Board Member of HL7 Spain

## TRACK 4—FHIR®



### FHIR Connectathon

Saturday, May 6 / 10:00 am – 6:00 pm

Sunday, May 7 / 10:00 am – 1:30 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\\_15](http://wiki.hl7.org/index.php?title=FHIR_Connectathon_15).

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.



### Introduction to HL7 FHIR

Monday, May 8 / 2:45 pm – 6:00 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
- 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:

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

*Fernando Campos:* Affiliate Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 Fundamentals Course, Argentina

*Carlos Gallego Pérez:* Master Professor in Systems and Information Technology Management and Communications; ISalut Coordination (Cross-cutting Health Projects); SIX, Carlos III Institute; Board Member of HL7 Spain

## **FHIR for Clinicians and Decision Makers** – FREE TUTORIAL Monday, May 8 / 2:45 pm – 6:00 pm

A presentation and workshop aimed at the clinician rather than the technical user. Describes where FHIR fits in the healthcare interoperability space, with a high level description of the specification.

Includes practical exercises for attendees as well as presentation material.

### This Tutorial Will Benefit:

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

### Upon Completion of this Tutorial, Students Will be Able To:

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

### Prerequisites

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

### Faculty:

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

## **FHIR for Architects** Tuesday, May 9 / 10:00 am – 1:30 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.

## **FHIR for Specifiers** Tuesday, May 9 / 2:45 pm – 6:00 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



W11

EN

## Introduction to FHIR Development

Wednesday, May 10 / 10:00 am – 1:30 pm

This tutorial is a deep-dive into the infrastructure sections of the FHIR specification. It will provide insight on 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:

*Jean Duteau:* International Representative, HL7 Technical Steering Committee; Co-Chair, HL7 Modeling and Methodology Work Group; Owner, Duteau Design, Inc.

W14

EN

## Understanding and Using Terminology in HL7 FHIR

Wednesday, May 10 / 2:45 pm – 6:00 pm

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

TH15

EN

## C-CDA on FHIR

Thursday, May 11 / 10:00 am – 1:30 pm

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

### This Tutorial Will Benefit:

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

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

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

## Prerequisites:

- Intro to FHIR or equivalent experience (i.e. FHIR connectathon participation, etc.).
- A basic knowledge of CDA is nice to have

## Faculty:

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

## TH18 EN Precision Medicine via FHIR: From Design to Deployment

Thursday, May 11 / 2:45 pm – 6:00 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 case 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

## F1/F5 SP F2/F6 EN HL7 First-Time Attendees' Orientation – FREE TUTORIAL

F1/F2: Sunday, May 7 / 4:00 pm – 5:00 pm  
F5/F6: Monday, May 8 / 8:00 am – 9:00 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:

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

*(English)* *Calvin E. Beebe, FHL7:* Chair Elect, HL7 Board of Directors; Co-Chair, HL7 Structure & Semantic Design Steering Division – HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Information Services, Mayo Clinic – Rochester, MN

## F3 SP F4 EN Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL

Sunday, May 7 / 5:00 pm – 6:00 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:

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

*(English)* *Calvin E. Beebe, FHL7:* Chair Elect, HL7 Board of Directors; Co-Chair, HL7 Structure & Semantic Design Steering Division – HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Information Services, Mayo Clinic – Rochester, MN

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

Tuesday, May 9 / 8:00 am – 9:00 am

This is 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; SKMT Governance Committee, ISO Representative and Administrator of SKMT; Convenor ISO WG3-Semantic Content; Member IHTSDO Quality Assurance Committee and Education SIG; Chair-Standards Australia Health Informatics Committee (IT 14), Australia

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

- Understand the breadth of biomedical informatics as an academic field
- Explain the definition of biomedical informatics and how it differs from bioinformatics and other disciplines
- Explain how interoperability standards contribute to health informatics education and research
- Analyze opportunities to build biomedical informatics courses and modules within healthcare professional training courses

#### Prerequisites:

- Understanding of higher education offerings in your home country

#### Faculty:

*Philip Scott, PhD:* Chair, HL7 UK; Senior Lecturer, University of Portsmouth, UK; Vice-Chair (Events), BCS Health

*W. Ed Hammond, PhD:* Chair Emeritus, HL7 International; Co-Chair, HL7 Clinical Interoperability Council Work Group; Chair, HL7 US Realm Steering Committee; Director, Duke Center for Health Informatics, Duke Translational Medicine Institute; Director of Academic Affairs, MMCi Program, Duke School of Medicine; Director, Applied Informatics research, Duke Health Technology Solutions; Research Professor, Duke School of Nursing; Professor, Department of Community and Family Medicine, Duke School of Medicine



### How to Develop University Courses in Biomedical Informatics – FREE TUTORIAL

Tuesday, May 9 / 10:00 am – 1:30 pm

This session will provide an overview of university education in biomedical informatics, in particular the contribution of interoperability standards.

The tutorial will feature both presentations and an interactive workshop. Instructors will discuss current experiences from the USA and the UK. In the facilitated workshop, the instructors will work with small groups through a series of discussions about their undergraduate, postgraduate and research opportunities in medical, nursing and informatics courses and help them develop an action plan.

#### This Tutorial Will Benefit:

- Academics who want to expand their educational offerings into biomedical informatics
- Policy makers and healthcare providers who need a skilled workforce to support the implementation of digital health



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

Thursday, May 11 / 8:00 am – 9:00 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



## Tutorials at a Glance

| Topic   | Class ID | Language | Instructor(s)                       | SUN PM    | MON AM    | MON PM | TUE AM    | TUE PM | WED AM | WED PM | THU AM    | THU PM    |
|---|----------|----------|-------------------------------------|-----------|-----------|--------|-----------|--------|--------|--------|-----------|-----------|
| <b>Track 1 - Version 2.x</b>  |          |          |                                     |           |           |        |           |        |        |        |           |           |
| Introduction to Version 2, Part 1: Control/Patient Administration             | T4       | Spanish  | Falcón                              |           |           |        | ★         |        |        |        |           |           |
| Introduction to Version 2, Part 2: Orders and Observations                    | T6       | Spanish  | Kaminker                            |           |           |        |           | ★      |        |        |           |           |
| Version 2 Message Profiles and Conformance                                    | W9       | Spanish  | Campos                              |           |           |        |           |        | ★      |        |           |           |
| Version 2.7 Control Specialist Certification Exam Preparation                 | W12      | Spanish  | Falcón                              |           |           |        |           |        |        | ★      |           |           |
| Version 2.7 Control Specialist Certification Exam                             | TH16     | English  | Falcón & HL7 Staff                  |           |           |        |           |        |        |        |           | 3:00-5:00 |
| <b>Track 2 - Version 3 and CDA</b>  |          |          |                                     |           |           |        |           |        |        |        |           |           |
| Introduction to Clinical Document Architecture                                | T7       | Spanish  | Falcón                              |           |           |        |           | ★      |        |        |           |           |
| Clinical Document Architecture – Advanced                                     | W10      | Spanish  | Kaminker                            |           |           |        |           |        | ★      |        |           |           |
| HL7 CDA Specialist Certification Exam Preparation                             | W13      | Spanish  | Campos                              |           |           |        |           |        |        | ★      |           |           |
| HL7 CDA Specialist Certification Exam   | TH17     | English  | Falcón & HL7 Staff                  |           |           |        |           |        |        |        |           | 3:00-5:00 |
| <b>Track 3—Special Topics</b>   |          |          |                                     |           |           |        |           |        |        |        |           |           |
| Standards for Interoperability  | M1       | Spanish  | Pérez                               |           |           | ★      |           |        |        |        |           |           |
| <b>Track 4—FHIR®</b>  |          |          |                                     |           |           |        |           |        |        |        |           |           |
| FHIR Connectathon   | Sat-Sun  | English  | Hay<br>McKenzie<br>Kramer<br>Grieve | Sat-Sun   |           |        |           |        |        |        |           |           |
| Introduction to HL7 FHIR  | M2       | Spanish  | Kaminker<br>Campos<br>Pérez         |           |           | ★      |           |        |        |        |           |           |
| FHIR for Clinicians and Decision Makers - FREE TUTORIAL                       | M3       | English  | Hay                                 |           |           | ★      |           |        |        |        |           |           |
| FHIR for Architects   | T5       | English  | McKenzie                            |           |           |        | ★         |        |        |        |           |           |
| FHIR for Specifiers   | T8       | English  | Rutten                              |           |           |        |           | ★      |        |        |           |           |
| Introduction to FHIR Development  | W11      | English  | Duteau                              |           |           |        |           |        | ★      |        |           |           |
| Understanding and Using Terminology in HL7 FHIR                               | W14      | English  | Hausam                              |           |           |        |           |        |        | ★      |           |           |
| C-CDA on FHIR   | TH15     | English  | Geimer                              |           |           |        |           |        |        |        | ★         |           |
| Precision Medicine via FHIR: From Design to Deployment                        | TH18     | English  | Alterovitz                          |           |           |        |           |        |        |        |           | ★         |
| <b>Track 5—Information Forums—FREE TUTORIALS</b>                              |          |          |                                     |           |           |        |           |        |        |        |           |           |
| First-Time Attendees' Orientation   | F1/F5    | Spanish  | Kaminker                            | 4:00-5:00 | 8:00-9:00 |        |           |        |        |        |           |           |
| First-Time Attendees' Orientation   | F2/F6    | English  | Beebe                               | 4:00-5:00 | 8:00-9:00 |        |           |        |        |        |           |           |
| Understanding the HL7 International Organization – From Process to Governance | F3       | Spanish  | Kaminker                            | 5:00-6:00 |           |        |           |        |        |        |           |           |
| Understanding the HL7 International Organization – From Process to Governance | F4       | English  | Beebe                               | 5:00-6:00 |           |        |           |        |        |        |           |           |
| Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs   | F7       | English  | Grain                               |           |           |        | 8:00-9:00 |        |        |        |           |           |
| How to Develop University Courses in Biomedical Informatics                   | F8       | English  | Scott Hammond                       |           |           |        | ★         |        |        |        |           |           |
| Newly Elected Co-Chair Training   | F9       | English  | Van Hentenryck                      |           |           |        |           |        |        |        | 8:00-9:00 |           |

AM = 10:00 am - 1:30 pm; PM = 2:45 - 6:00 pm

|   | Sunday               |           | Monday    |                | Tuesday   |            | Wednesday |       | Thursday  |           | Friday             |    |
|---|----------------------|-----------|-----------|----------------|-----------|------------|-----------|-------|-----------|-----------|--------------------|----|
|   | AM                   | PM        | AM        | PM             | AM        | PM         | AM        | PM    | AM        | PM        | AM                 | PM |
| Affiliate Due Diligence Committee   |                      |           |           |                |           |            |           | Q4    |           |           |                    |    |
| Anesthesia  | Will not meet in May |           |           |                |           |            |           |       |           |           |                    |    |
| Application Implementation and Design   |                      | ★         |           | Q3             |           |            | Q1        |       |           |           |                    |    |
| Architectural Review Board  |                      |           | Q2        |                |           |            |           |       |           | Q3        |                    |    |
| Arden Syntax  |                      |           | Q2        | ★              |           |            |           |       |           |           |                    |    |
| Attachments   | Will not meet in May |           |           |                |           |            |           |       |           |           |                    |    |
| Biomedical Research & Regulation  |                      |           |           | ★              | ★         | ★          | ★         | ★     | ★         | ★         |                    |    |
| Board of Directors' Meeting   |                      |           |           |                |           | Lunch & ★  |           |       |           |           |                    |    |
| Child Health  | Will not meet in May |           |           |                |           |            |           |       |           |           |                    |    |
| Clinical Decision Support   |                      |           |           |                | Q1        | ★          | Q2        | Q4    |           |           |                    |    |
| Clinical Genomics   |                      |           |           | ★              | ★         | ★          |           |       |           |           |                    |    |
| Clinical Information Modeling Initiative  |                      |           |           | ★              | Q2        | Lunch & Q3 |           | Q3    | ★         | Q4        |                    |    |
| Clinical Interoperability Council   |                      |           | Q2        | Q4             | Q1        | ★          | ★         | ★     | ★         | ★         |                    |    |
| Clinical Quality Information  |                      |           |           | ★              | ★         |            | Q1        |       |           |           |                    |    |
| Clinical Statement  |                      |           |           |                |           |            |           |       |           | Q3        |                    |    |
| Clinicians on FHIR  |                      |           |           |                |           |            |           | Lunch |           |           | ★                  | Q3 |
| Co-Chair Information  |                      |           |           | 6:15-8:00      |           |            |           |       | 8:00-9:00 |           |                    |    |
| Community Based Collaborative Care  |                      |           |           | ★              | Q2        | ★          | Q2        | ★     |           |           |                    |    |
| Conformance   |                      |           | Q2        | ★              |           |            |           | ★     |           |           |                    |    |
| Education   |                      |           |           | Lunch & ★      |           |            |           |       | Q1        |           |                    |    |
| Electronic Health Records   |                      |           | Q2        | ★              | ★         | ★          | ★         | ★     | ★         | ★         |                    |    |
| Electronic Services and Tools   |                      |           |           |                |           |            |           |       | Q1        |           |                    |    |
| Emergency Care  |                      |           |           |                | Q2        |            | Q1        | Q4    |           | Q3        |                    |    |
| Facilitators' Roundtable Dinner/Meeting   |                      |           |           |                |           |            |           |       |           | 6:30-9:00 |                    |    |
| FHIR Connectathon<br>(Note: There is also a meeting scheduled for Saturday, 5/6, 10:00-6:00 pm) | ★ & Lunch            |           |           |                |           |            |           |       |           |           |                    |    |
| FHIR Governance Board   |                      | Lunch     | 8:00-9:00 |                |           |            |           |       |           | Q4        |                    |    |
| FHIR Infrastructure   |                      |           | Q2        | ★ & 8:00-11:00 |           | Q4         | Q2        | Q3    |           | 6:30-9:00 |                    |    |
| FHIR Management Group   |                      |           |           | Lunch          |           |            | Q2        |       |           |           |                    |    |
| Financial Management  |                      |           | Q2        | Q3             |           |            | ★         | ★     |           |           |                    |    |
| First-Time Attendees' Orientation – <span>Spanish</span>  |                      | 4:00-5:00 | 8:00-9:00 |                |           |            |           |       |           |           |                    |    |
| First-Time Attendees' Orientation – <span>English</span>  |                      | 4:00-5:00 | 8:00-9:00 |                |           |            |           |       |           |           |                    |    |
| General Session   |                      |           |           |                | 9:00-9:45 |            | 9:00-9:45 |       | 9:00-9:45 |           | No General Session |    |
| Governance and Operations Committee   |                      |           |           |                | Q2        |            |           |       |           |           |                    |    |
| HL7 Terminology Authority   |                      |           |           |                |           |            |           |       |           |           | ★                  |    |
| Health Care Devices   |                      |           | Q2        | ★              | ★         | ★          | ★         | ★     | ★         | ★         |                    |    |
| Healthcare Standards Integration  |                      |           |           |                |           | Q3         |           |       |           |           |                    |    |
| Imaging Integration   | Will not meet in May |           |           |                |           |            |           |       |           |           |                    |    |

**Important Note about the Times for the WGM quarters:****Saturday – Thursday Schedule:** Q1 = 10:00 – 11:30 pm; Q2 = 12:00 – 1:30 pm; Q3 = 2:45 – 4:00 pm; Q4 = 4:30 – 6:00 pm**Friday Schedule:** Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 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 |
| Implementable Technology Specifications  |        |                            |                |           | ★         |    |           |    |                  |                  |           |    |
| Infrastructure & Messaging   |        |                            |                |           | ★         | Q4 |           |    |                  |                  |           |    |
| International Council Meeting  |        | Lunch,<br>★ &<br>6:00-7:00 |                |           |           |    |           |    |                  | Lunch<br>& ★     |           |    |
| Learning Health Systems  |        |                            |                | Q4        |           |    | Q2        |    |                  |                  |           |    |
| Mobile Health  |        |                            |                |           |           |    | ★         | Q3 |                  |                  |           |    |
| Modeling & Methodology   |        |                            |                | Q3        |           |    |           | Q3 | ★                | 6:30-9:00        |           |    |
| Nurses Meeting   |        |                            |                |           | 8:00-9:00 |    |           |    |                  |                  |           |    |
| Orders & Observations  |        |                            | Q2             | Q3        | ★         | ★  | ★         | Q4 | ★                | Q4               |           |    |
| Patient Administration   |        |                            | Q2             | ★         | ★         | ★  | ★         | ★  | ★                | ★                |           |    |
| Patient Care   |        |                            |                | ★         | ★         | ★  | Q1        | ★  | Q1               | Lunch<br>& Q3    |           |    |
| Pharmacy   |        |                            | Q2             | ★         | ★         | Q3 | ★         | ★  | ★                | ★                |           |    |
| Physicians Meeting   |        |                            |                |           |           |    | 8:00-9:00 |    |                  |                  |           |    |
| Plenary Meeting  |        |                            | 9:00-<br>12:00 |           |           |    |           |    |                  |                  |           |    |
| Policy Advisory Committee  |        |                            |                |           |           |    | Q1        |    |                  |                  |           |    |
| Process Improvement Committee  |        |                            |                | Q4        |           |    |           |    |                  |                  |           |    |
| Product Line Architecture Program  |        |                            |                |           |           |    |           |    |                  |                  | 8:00-9:00 |    |
| Project Services   |        |                            |                |           |           |    |           |    |                  | Q3               |           |    |
| Public Health & Emergency Response   |        |                            | Q2             | ★         | ★         | ★  | ★         | ★  | ★                | ★                |           |    |
| Publishing – V2  |        |                            |                | Q4        |           |    | Q1        | Q3 |                  |                  |           |    |
| Security   |        |                            |                |           | ★         | Q4 |           | ★  | ★                |                  |           |    |
| Services Oriented Architecture   |        |                            |                | ★         | ★         | Q4 | ★         | ★  |                  |                  |           |    |
| Standards Governance Board   |        | Q3                         |                |           |           |    |           |    |                  |                  | ★         |    |
| <b>Steering Divisions:</b><br>Domain Experts<br>Foundation & Technology<br>Structure & Semantic Design<br>Technical & Support Services |        |                            |                | 8:00-9:30 |           |    |           |    |                  |                  |           |    |
| Structured Documents   |        |                            | Q2             | ★         |           | ★  | ★         | ★  | ★                | ★                |           |    |
| Technical Steering Committee Meetings<br>(Note: There is also a meeting scheduled for<br>Saturday, 5/6, 10:00-6:00 pm)                 |        | 5:15-6:15                  |                |           |           |    |           |    |                  |                  |           |    |
| Templates  |        |                            | Q2             |           |           |    |           |    |                  |                  | Q1        |    |
| Understanding the HL7 International Organization-<br>From Process to Governance – <b>Spanish</b>                                       |        | 5:00-6:00                  |                |           |           |    |           |    |                  |                  |           |    |
| Understanding the HL7 International Organization-<br>From Process to Governance – <b>English</b>                                       |        | 5:00-6:00                  |                |           |           |    |           |    |                  |                  |           |    |
| US Realm Steering Committee  |        |                            |                |           |           |    |           |    |                  | Lunch            |           |    |
| Vocabulary   |        | ★                          | Q2             | ★         | ★         | Q3 | ★         |    | 8:00-9:00<br>& ★ | ★ &<br>6:30-9:00 |           |    |

### Important Note about the Times for the WGM quarters:

**Saturday – Thursday Schedule:** Q1 = 10:00 – 11:30 pm; Q2 = 12:00 – 1:30 pm; Q3 = 2:45 – 4:00 pm; Q4 = 4:30 – 6:00 pm

**Friday Schedule:** Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm

DISCLAIMER: Meeting times are subject to change



## REGISTRATION HOURS

|                      |                |                                |
|----------------------|----------------|--------------------------------|
| Saturday             | 8:30 – 3:00 pm | FHIR Connectathon Registration |
| Sunday               | 9:30 – 6:00 pm | Registration                   |
| Monday – Tuesday     | 8:00 – 6:00 pm | Registration                   |
| Wednesday – Thursday | 8:30 – 6:00 pm | Registration                   |
| Friday               | 8:00 – 1:00 pm | Staff on Hand for Assistance   |

## MEALS AND BREAKS

|                   |                  |                           |
|-------------------|------------------|---------------------------|
| Monday – Friday   | 6:30 – 10:00 am  | Breakfast at your leisure |
| Monday – Thursday | 11:30 – 12:00 pm | Morning Break             |
| Friday            | 10:30 – 11:00 am | Morning Break             |
| Monday – Thursday | 1:30 – 2:30 pm   | Lunch                     |
| Friday            | 12:30 – 1:30 pm  | Lunch                     |
| Monday – Thursday | 4:00 – 4:30 pm   | Afternoon Break           |

## PLENARY AND GENERAL SESSION ROOM

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

|           |                    |   |
|-----------|--------------------|---|
| Monday    | 9:00 – 12:00 pm    | Plenary – Series of Presentations                                     |
| Tuesday   | 9:00 – 9:45 am     | International Council Reports, HL7 CTO and TSC Reports, Announcements |
| Wednesday | 9:00 – 9:45 am     | HL7 Board Report, Awards Presentations, Announcements                 |
| Thursday  | 9:00 – 9:45 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)

|           |                |         |
|-----------|----------------|---------|
| Wednesday | 4:30 – 6:00 pm | MEETING |
|-----------|----------------|---------|

### ANESTHESIA (GAS)

Will not meeting in May

### APPLICATION IMPLEMENTATION AND DESIGN (AID)

|           |                  |   |
|-----------|------------------|---|
| Sunday    | 2:45 – 6:00 pm   | Hosting: FHIR-I   |
| Monday    | 2:45 – 4:00 pm   | MEETING   |
| Tuesday   | 2:45 – 4:00 pm   | Joint w/SD, ARB, AS, BR&R, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
| Wednesday | 10:00 – 11:30 am | MEETING   |

### ARCHITECTURAL REVIEW BOARD (ARB)

|          |                 |   |
|----------|-----------------|---|
| Sunday   | 2:45 – 4:00 pm  | Joint w/SGB   |
| Monday   | 12:00 – 1:30 pm | MEETING   |
| Tuesday  | 2:45 – 4:00 pm  | Joint w/SD, AID, AS, BR&R, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
| Thursday | 2:45 – 4:00 pm  | MEETING   |

### ARDEN SYNTAX (AS)

|         |                 |  |
|---------|-----------------|--|
| Monday  | 12:00 – 6:00 pm | MEETING  |
| Tuesday | 2:45 – 4:00 pm  | Joint w/SD, AID, ARB, BR&R, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |

### ATTACHMENTS

Will not meet in May

### BOARD OF DIRECTORS' MEETING

|         |                |          |
|---------|----------------|----------|
| Tuesday | 1:30 – 2:30 pm | Luncheon |
|         | 2:45 – 6:00 pm | MEETING  |

### BIOMEDICAL RESEARCH & REGULATION (BR&R)

|                    |                 |  |
|--------------------|-----------------|--|
| Monday             | 12:00 – 1:30 pm | Joint w/EHR, Clin Gen, CQI, EC, PC   |
|                    | 2:45 – 6:00 pm  | MEETING  |
| Tuesday            | 12:00 – 1:30 pm | RCRIM Topic - Joint w/O&O  |
|                    | 2:45 – 4:00 pm  | RCRIM Topic - Joint w/SD, AID, ARB, AS, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
| Tuesday – Thursday | 10:00 – 6:00 pm | MEETING  |

### CHILD HEALTH (CH)

Will not meet in May

### CLINICAL DECISION SUPPORT (CDS)

|           |                  |                              |
|-----------|------------------|------------------------------|
| Monday    | 4:30 – 6:00 pm   | Joint w/FHIR-I, FM, MnM, O&O |
| Tuesday   | 10:00 – 11:30 am | MEETING                      |
|           | 12:00 – 1:30 pm  | Joint w/CQI, FHIR-I          |
|           | 2:45 – 4:00 pm   | Hosting: CQI, FHIR-I         |
|           | 4:30 – 6:00 pm   | MEETING                      |
| Wednesday | 10:00 – 11:30 am | Joint w/CQI, CIMI            |
|           | 12:00 – 1:30 pm  | Hosting: CQI                 |
|           | 2:45 – 4:00 pm   | Joint w/PC, CQI, FHIR-I, O&O |
|           | 4:30 – 6:00 pm   | Hosting: CIMI, CQI           |
| Thursday  | 10:00 – 11:30 am | Joint w/O&O, Templates       |

### CLINICAL GENOMICS (Clin Gen)

|         |                 |                                |
|---------|-----------------|--------------------------------|
| Monday  | 12:00 – 1:30 pm | Joint w/EHR, BR&R, CQI, EC, PC |
|         | 2:45 – 4:00 pm  | MEETING                        |
|         | 4:30 – 6:00 pm  | Hosting: FHIR-I                |
| Tuesday | 10:00 – 6:00 pm | MEETING                        |

# Meetings

## CLINICAL INFORMATION MODELING INITIATIVE (CIMI)

|           |                  |                                    |
|-----------|------------------|------------------------------------|
| Monday    | 2:45 – 6:00 pm   | MEETING                            |
| Tuesday   | 10:00 – 11:30 am | Joint w/PC, EC, FHIR-I             |
|           | 12:00 – 1:30 pm  | MEETING                            |
|           | 1:30 – 2:30 pm   | Luncheon/Meeting – Hosting: FHIR-I |
|           | 2:45 – 4:00 pm   | MEETING                            |
|           | 4:30 – 6:00 pm   | Joint w/PC, FHIR-I, Voc            |
| Wednesday | 10:00 – 11:30 am | Joint w/CQI, CDS                   |
|           | 12:00 – 1:30 pm  | Joint w/CIC                        |
|           | 2:45 – 4:00 pm   | MEETING                            |
|           | 4:30 – 6:00 pm   | Joint w/CDS, CQI                   |
|           | 10:00 – 1:30 pm  | MEETING                            |
| Thursday  | 2:45 – 4:00 pm   | Joint w/Voc, Conformance           |
|           | 4:30 – 6:00 pm   | MEETING                            |

## CLINICAL INTEROPERABILITY COUNCIL (CIC)

|           |                  |                    |
|-----------|------------------|--------------------|
| Monday    | 12:00 – 1:30 pm  | MEETING            |
|           | 4:30 – 6:00 pm   | MEETING            |
| Tuesday   | 10:00 – 11:30 am | MEETING            |
|           | 12:00 – 1:30 pm  | Joint w/EHR        |
|           | 2:45 – 6:00 pm   | MEETING            |
| Wednesday | 10:00 – 11:30 am | MEETING            |
|           | 12:00 – 1:30 pm  | Hosting: CIMI      |
|           | 2:45 – 6:00 pm   | MEETING            |
| Thursday  | 10:00 – 11:30 am | MEETING            |
|           | 12:00 – 1:30 pm  | Hosting: Education |

## CLINICAL QUALITY INFORMATION (CQI)

|           |                  |                                     |
|-----------|------------------|-------------------------------------|
| Monday    | 12:00 – 1:30 pm  | Joint w/EHR, BR&R, Clin Gen, EC, PC |
|           | 2:45 – 6:00 pm   | MEETING                             |
| Tuesday   | 10:00 – 11:30 am | Hosting: SD                         |
|           | 12:00 – 1:30 pm  | Hosting: CDS, FHIR-I                |
|           | 2:45 – 4:00 pm   | Joint w/CDS, FHIR-I                 |
| Wednesday | 10:00 – 11:30 am | Hosting: CDS, CIMI                  |
|           | 12:00 – 1:30 pm  | Joint w/CDS                         |
|           | 2:45 – 4:00 pm   | Joint w/PC, CDS, FHIR-I, O&O        |
|           | 4:30 – 6:00 pm   | Joint w/CDS, CIMI                   |

## CLINICAL STATEMENT (CS)

|          |                |  |
|----------|----------------|--|
| Tuesday  | 2:45 – 4:00 pm | Joint w/SD, AID, ARB, AS, BR&R, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
| Thursday | 2:45 – 4:00 pm | Hosting: O&O   |

## CLINICIANS ON FHIR

|           |                |                  |
|-----------|----------------|------------------|
| Wednesday | 1:30 – 2:30 pm | Luncheon/Meeting |
| Friday    | 9:00 – 3:00 pm | MEETING          |

## CO-CHAIR INFORMATION

|          |                |  |
|----------|----------------|--|
| Monday   | 6:15 – 8:00 pm | Co-Chairs Dinner/Meeting<br>(Open Meeting, however open for dinner ONLY to Co-Chairs. <b>Co-Chairs MUST register</b> if you wish to attend the dinner/meeting) |
| Thursday | 8:00 – 9:00 am | Newly Elected Co-Chair Training  |

## COMMUNITY BASED COLLABORATIVE CARE (CBCC)

|           |                  |                          |
|-----------|------------------|--------------------------|
| Monday    | 2:45 – 6:00 pm   | Hosting: Sec             |
| Tuesday   | 12:00 – 1:30 pm  | MEETING                  |
|           | 2:45 – 4:00 pm   | Hosting: MH, Sec         |
|           | 4:30 – 6:00 pm   | Hosting FHIR-I           |
|           | 10:00 – 11:30 am | Joint w/EHR, FHIR-I, Sec |
| Wednesday | 12:00 – 6:00 pm  | MEETING                  |
| Thursday  | 10:00 – 11:30 am | Joint w/Sec, FHIR-I      |

## CONFORMANCE

|           |                  |   |
|-----------|------------------|---|
| Monday    | 12:00 – 6:00 pm  | MEETING   |
| Tuesday   | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
|           | 10:00 – 11:30 am | MEETING   |
| Wednesday | 2:45 – 4:00 pm   | Hosting: FHIR-I, Templates  |
| Thursday  | 4:30 – 6:00 pm   | MEETING   |
|           | 10:00 – 11:30 am | Joint w/Voc, InM  |
|           | 12:00 – 1:30 pm  | Joint w/Voc   |
|           | 2:45 – 4:00 pm   | Joint w/Voc, CIMI   |

## EDUCATION

|          |                  |   |
|----------|------------------|---|
| Monday   | 1:30 – 2:30 pm   | Education Facilitators' Roundtable Luncheon/Meeting   |
|          | 2:45 – 6:00 pm   | MEETING   |
| Tuesday  | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
|          | 10:00 – 11:30 am | MEETING   |
| Thursday | 12:00 – 1:30 pm  | Joint w/CIC   |

## ELECTRONIC HEALTH RECORDS (EHR)

|           |                  |                                      |
|-----------|------------------|--------------------------------------|
| Monday    | 12:00 – 1:30 pm  | Hosting: BR&R, Clin Gen, CQI, EC, PC |
|           | 2:45 – 6:00 pm   | MEETING                              |
| Tuesday   | 10:00 – 11:30 am | Hosting: MH                          |
|           | 12:00 – 1:30 pm  | Hosting: CIC                         |
|           | 2:45 – 6:00 pm   | MEETING                              |
| Wednesday | 10:00 – 11:30 am | Hosting: CBCC, FHIR-I, Sec           |
|           | 12:00 – 6:00 pm  | MEETING                              |
| Thursday  | 10:00 – 6:00 pm  | MEETING                              |

## ELECTRONIC SERVICES AND TOOLS (EST)

|          |                  |   |
|----------|------------------|---|
| Tuesday  | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, Education, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
| Thursday | 10:00 – 11:30 am | MEETING   |
| Friday   | 9:00 – 10:30 am  | Joint w/Templates, SD   |

## EMERGENCY CARE (EC)

|           |                  |  |
|-----------|------------------|--|
| Monday    | 12:00 – 1:30 pm  | Joint w/EHR, BR&R, Clin Gen, CQI, PC   |
| Tuesday   | 10:00 – 11:30 am | Joint w/PC, CIMI, FHIR-I   |
|           | 12:00 – 1:30 pm  | MEETING  |
|           | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, Education, EST, FM, ITS, MnM, V2 Publishing, SGB, Templates |
| Wednesday | 10:00 – 11:30 am | MEETING  |
|           | 4:30 – 6:00 pm   | MEETING  |
| Thursday  | 2:45 – 4:00 pm   | MEETING  |

**FACILITATORS' ROUNDTABLE DINNER/MEETING**

Thursday 6:30 – 9:00 pm Hosting: FHIR-I, MnM, Voc

**FHIR CONNECTATHON**

Saturday 10:00 – 6:00 pm MEETING  
 10:00 – 6:00 pm Breakout room  
 10:00 – 6:00 pm Breakout room  
 1:30 – 2:30 pm Luncheon  
 Sunday 10:00 – 1:30 pm MEETING  
 10:00 – 1:30 pm Breakout room  
 10:00 – 1:30 pm Breakout room  
 1:30 – 2:30 pm Luncheon

**FHIR GOVERNANCE BOARD (FGB)**

Sunday 1:30 – 2:30 pm Luncheon/Meeting – Hosting: FMG  
 Monday 8:00 – 9:00 am MEETING  
 Thursday 4:30 – 6:00 pm Hosting: FMG

**FAST HEALTHCARE INTEROPERABILITY RESOURCES (FHIR) INFRASTRUCTURE (FHIR-I)**

Sunday 2:45 – 6:00 pm Joint w/AID  
 Monday 12:00 – 6:00 pm MEETING  
 2:45 – 6:00 pm Joint w/PC  
 4:30 – 6:00 pm Hosting: CDS, FM, MnM, O&O  
 4:30 – 6:00 pm Joint w/Clin Gen  
 4:30 – 6:00 pm Joint w/PHER  
 4:30 – 6:00 pm Joint w/SD  
 8:00 – 11:00 pm FHIR Reference Implementations  
 Tuesday 10:00 – 11:30 am Joint w/ITS  
 10:00 – 11:30 am Joint w/PA  
 10:00 – 11:30 am Joint w/PC, CIMI, EC  
 10:00 – 11:30 am Joint w/SOA  
 12:00 – 1:30 pm Joint w/CQI, CDS  
 12:00 – 1:30 pm Joint w/InM  
 12:00 – 1:30 pm Joint w/Pharm  
 12:00 – 4:00 pm Joint w/PC  
 1:30 – 2:30 pm Luncheon/Meeting – Joint with CIMI  
 2:45 – 4:00 pm Joint w/CDS, CQI  
 2:45 – 4:00 pm Joint w/HSI  
 2:45 – 4:00 pm Joint w/Voc  
 4:30 – 6:00 pm Joint w/CBCC  
 4:30 – 6:00 pm Joint w/PC, CIMI, Voc  
 4:30 – 6:00 pm Joint w/InM, ITS  
 4:30 – 6:00 pm Joint w/SD  
 4:30 – 6:00 pm MEETING  
 Wednesday 10:00 – 11:30 am Joint w/Voc  
 10:00 – 11:30 am Joint w/PC  
 10:00 – 11:30 am Joint w/EHR, CBCC, Sec  
 12:00 – 4:00 pm MEETING  
 2:45 – 4:00 pm Joint w/Conformance, Templates  
 2:45 – 4:00 pm Joint w/MnM  
 2:45 – 4:00 pm Joint w/PC, CDS, CQI, O&O  
 2:45 – 4:00 pm Joint w/Sec  
 4:30 – 6:00 pm Joint w/FM  
 4:30 – 6:00 pm Joint w/O&O

Thursday 10:00 – 11:30 am Joint w/Dev  
 10:00 – 11:30 am Joint w/PC, LHS  
 10:00 – 11:30 am Joint w/CBCC, Sec  
 12:00 – 1:30 pm Joint w/MnM  
 12:00 – 1:30 pm Joint w/O&O  
 2:45 – 4:00 pm Joint w/PC  
 2:45 – 4:00 pm Joint w/SD  
 6:30 – 9:00 pm Facilitators' Roundtable Dinner/Meeting – Joint w/MnM, Voc

**FHIR MANAGEMENT GROUP (FMG)**

Sunday 12:30 – 1:30 pm Luncheon/Meeting – Joint w/FGB  
 Monday 1:30 – 2:30 pm Luncheon/Meeting  
 Wednesday 12:00 – 1:30 pm MEETING  
 Thursday 4:30 – 6:00 pm Joint w/FGB

**FINANCIAL MANAGEMENT (FM)**

Monday 12:00 – 4:00 pm MEETING  
 4:30 – 6:00 pm Joint w/FHIR-I, CDS, MnM, O&O  
 Tuesday 2:45 – 4:00 pm Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, Education, EST, EC, ITS, MnM, V2 Publishing, SGB, Templates  
 Wednesday 10:00 – 4:00 pm MEETING  
 4:30 – 6:00 pm Hosting: FHIR-I  
 Thursday 12:00 – 4:00 pm Joint w/PA

**FIRST-TIME ATTENDEES' MEETINGS**

Sunday 4:00 – 5:00 pm ORIENTATION MEETING – Spanish  
 4:00 – 5:00 pm ORIENTATION MEETING – English  
 Monday 8:00 – 9:00 am ORIENTATION MEETING – Spanish  
 8:00 – 9:00 am ORIENTATION MEETING – English

**GOVERNANCE AND OPERATIONS COMMITTEE (GOC)**

Tuesday 12:00 – 1:30 pm MEETING

**HL7 TERMINOLOGY AUTHORITY (HTA)**

Friday 9:00 – 12:30 pm MEETING

**HEALTH CARE DEVICES (Dev)**

Monday 12:00 – 6:00 pm MEETING  
 Tuesday 10:00 – 6:00 pm MEETING  
 Wednesday 10:00 – 4:00 pm MEETING  
 4:30 – 6:00 pm Hosting: MH  
 Thursday 10:00 – 11:30 am Hosting: FHIR-I  
 12:00 – 6:00 pm MEETING

**HEALTHCARE STANDARDS INTEGRATION (HSI)**

Tuesday 2:45 – 4:00 pm Hosting: FHIR-I

**IMAGING INTEGRATION (II)**

Will not meet in May

**IMPLEMENTABLE TECHNOLOGY SPECIFICATIONS (ITS)**

Tuesday 10:00 – 11:30 am Hosting: FHIR-I  
 12:00 – 1:30 pm MEETING  
 2:45 – 4:00 pm Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, Education, EST, EC, FM, MnM, V2 Publishing, SGB, Templates  
 4:30 – 6:00 pm Joint w/InM, FHIR-I



## INFRASTRUCTURE & MESSAGING (InM)

|          |                  |                          |
|----------|------------------|--------------------------|
| Tuesday  | 10:00 – 11:30 am | MEETING                  |
|          | 12:00 – 1:30 pm  | Hosting: FHIR-I          |
|          | 4:30 – 6:00 pm   | Hosting: FHIR-I, ITS     |
| Thursday | 10:00 – 11:30 am | Joint w/Voc, Conformance |

## INTERNATIONAL COUNCIL MEETING

|          |                |   |
|----------|----------------|---|
| Sunday   | 1:30 – 2:30 pm | Luncheon  |
|          | 2:45 – 6:00 pm | MEETING   |
|          | 6:00 – 7:00 pm | Poster Session and Reception                                |
| Thursday | 1:30 – 6:00 pm | Affiliate Chair or their Designated Rep<br>Luncheon/Meeting |

## LEARNING HEALTH SYSTEMS (LHS)

|           |                  |                    |
|-----------|------------------|--------------------|
| Monday    | 4:30 – 6:00 pm   | MEETING            |
| Wednesday | 12:00 – 1:30 pm  | MEETING            |
| Thursday  | 10:00 – 11:30 am | Joint w/PC, FHIR-I |

## MOBILE HEALTH (MH)

|           |                  |                   |
|-----------|------------------|-------------------|
| Tuesday   | 10:00 – 11:30 am | Joint w/EHR       |
|           | 2:45 – 4:00 pm   | Joint w/CBCC, Sec |
| Wednesday | 10:00 – 4:00 pm  | MEETING           |
|           | 4:30 – 6:00 pm   | Joint w/Dev       |

## MODELING & METHODOLOGY (MnM)

|           |                  |   |
|-----------|------------------|---|
| Monday    | 2:45 – 4:00 pm   | MEETING   |
|           | 4:30 – 6:00 pm   | Joint w/FHIR-I, CDS, FM, O&O  |
| Tuesday   | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS,<br>Conformance, Education, EST, EC, FM, ITS,<br>V2 Publishing, SGB, Templates |
|           |                  |   |
| Wednesday | 12:00 – 1:30 pm  | Joint w/Voc   |
| Thursday  | 10:00 – 11:30 am | MEETING   |
|           | 12:00 – 1:30 pm  | Hosting: FHIR-I   |
|           | 6:30 – 9:00 pm   | Facilitators' Roundtable Dinner/Meeting –<br>Joint w/FHIR-I, Voc  |

## NURSES MEETING

|         |                |         |
|---------|----------------|---------|
| Tuesday | 8:00 – 9:00 am | MEETING |
|---------|----------------|---------|

## ORDERS & OBSERVATIONS (O&O)

|           |                  |                              |
|-----------|------------------|------------------------------|
| Monday    | 12:00 – 4:00 pm  | MEETING                      |
|           | 4:30 – 6:00 pm   | Joint w/FHIR-I, CDS, FM, MnM |
| Tuesday   | 10:00 – 11:30 am | MEETING                      |
|           | 12:00 – 1:30 pm  | Hosting: BR&R                |
|           | 2:45 – 6:00 pm   | MEETING                      |
| Wednesday | 10:00 – 1:30 pm  | MEETING                      |
|           | 2:45 – 4:00 pm   | Joint w/PC, CDS, CQI, FHIR-I |
|           | 4:30 – 6:00 pm   | Hosting: FHIR-I              |
| Thursday  | 10:00 – 11:30 am | Hosting: CDS, Templates      |
|           | 12:00 – 1:30 pm  | Hosting: FHIR-I              |
|           | 2:45 – 4:00 pm   | Joint w/CS                   |
|           | 4:30 – 6:00 pm   | MEETING                      |

## PATIENT ADMINISTRATION (PA)

|         |                  |                 |
|---------|------------------|-----------------|
| Monday  | 12:00 – 6:00 pm  | MEETING         |
| Tuesday | 10:00 – 11:30 am | Hosting: FHIR-I |
|         | 12:00 – 1:30 pm  | MEETING         |
|         | 2:45 – 4:00 pm   | Hosting: SOA    |
|         | 4:30 – 6:00 pm   | MEETING         |

|           |                  |             |
|-----------|------------------|-------------|
| Wednesday | 10:00 – 11:30 am | MEETING     |
|           | 12:00 – 1:30 pm  | Hosting: PC |
|           | 2:45 – 6:00 pm   | MEETING     |
| Thursday  | 10:00 – 11:30 am | MEETING     |
|           | 12:00 – 4:00 pm  | Hosting FM  |
|           | 4:30 – 6:00 pm   | MEETING     |

## PATIENT CARE (PC)

|           |                  |                                      |
|-----------|------------------|--------------------------------------|
| Monday    | 12:00 – 1:30 pm  | Joint w/EHR, BR&R, Clin Gen, CQI, EC |
|           | 2:45 – 6:00 pm   | Hosting: FHIR-I                      |
| Tuesday   | 10:00 – 11:30 am | Hosting: CIMI, EC, FHIR-I            |
|           | 12:00 – 4:00 pm  | Hosting: FHIR-I                      |
|           | 4:30 – 6:00 pm   | Hosting: CIMI, FHIR-I, Voc           |
| Wednesday | 10:00 – 11:30 am | Hosting: FHIR-I                      |
|           | 12:00 – 1:30 pm  | Joint w/PA                           |
|           | 2:45 – 4:00 pm   | Hosting: CDS, CQI, FHIR-I, O&O       |
|           | 4:30 – 6:00 pm   | Hosting: Voc                         |
| Thursday  | 10:00 – 11:30 am | Hosting: FHIR-I, LHS                 |
|           | 1:30 – 2:30 pm   | Luncheon/Meeting                     |
|           | 2:45 – 4:00 pm   | Hosting: FHIR-I                      |

## PHARMACY (Pharm)

|                      |                  |                 |
|----------------------|------------------|-----------------|
| Monday               | 12:00 – 6:00 pm  | MEETING         |
| Tuesday              | 10:00 – 11:30 am | MEETING         |
|                      | 12:00 – 1:30 pm  | Hosting: FHIR-I |
|                      | 2:45 – 4:00 pm   | MEETING         |
| Wednesday – Thursday | 10:00 – 6:00 pm  | MEETING         |

## PHYSICIANS MEETING

|           |                |         |
|-----------|----------------|---------|
| Wednesday | 8:00 – 9:00 am | MEETING |
|-----------|----------------|---------|

## PLENARY MEETING

|        |                 |         |
|--------|-----------------|---------|
| Monday | 9:00 – 12:00 pm | MEETING |
|--------|-----------------|---------|

## POLICY ADVISORY COMMITTEE (PAC)

|           |                  |         |
|-----------|------------------|---------|
| Wednesday | 10:00 – 11:30 am | MEETING |
|-----------|------------------|---------|

## PROCESS IMPROVEMENT COMMITTEE (PIC)

|        |                |         |
|--------|----------------|---------|
| Monday | 4:30 – 6:00 pm | MEETING |
|--------|----------------|---------|

## PRODUCT LINE ARCHITECTURE PROGRAM

|        |                |         |
|--------|----------------|---------|
| Friday | 8:00 – 9:00 am | Meeting |
|--------|----------------|---------|

## PROJECT SERVICES

|          |                |         |
|----------|----------------|---------|
| Thursday | 2:45 – 4:00 pm | MEETING |
|----------|----------------|---------|

## PUBLIC HEALTH & EMERGENCY RESPONSE (PHER)

|                    |                 |                 |
|--------------------|-----------------|-----------------|
| Monday             | 12:00 – 4:00 pm | MEETING         |
|                    | 4:30 – 6:00 pm  | Hosting: FHIR-I |
| Tuesday – Thursday | 10:00 – 6:00 pm | MEETING         |

## PUBLISHING – V2

|           |                  |   |
|-----------|------------------|---|
| Monday    | 4:30 – 6:00 pm   | MEETING   |
| Tuesday   | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS,<br>Conformance, Education, EST, EC, FM, ITS,<br>MnM, SGB, Templates |
|           |                  |   |
| Wednesday | 10:00 – 11:30 am | MEETING   |
|           | 2:45 – 4:00 pm   | Hosting: Voc  |

**SECURITY (Sec)**

|           |                  |                           |
|-----------|------------------|---------------------------|
| Monday    | 2:45 – 6:00 pm   | Joint w/CBCC              |
| Tuesday   | 10:00 – 1:30 pm  | MEETING                   |
|           | 2:45 – 4:00 pm   | Joint w/CBCC, MH          |
|           | 4:30 – 6:00 pm   | MEETING                   |
| Wednesday | 10:00 – 11:30 am | Joint w/EHR, CBCC, FHIR-I |
|           | 12:00 – 1:30 pm  | Joint w/SOA               |
|           | 2:45 – 4:00 pm   | Hosting: FHIR-I           |
|           | 4:30 – 6:00 pm   | MEETING                   |
| Thursday  | 10:00 – 11:30 am | Hosting: CBCC, FHIR-I     |
|           | 12:00 – 1:30 pm  | MEETING                   |

**SERVICES ORIENTED ARCHITECTURE (SOA)**

|           |                  |                 |
|-----------|------------------|-----------------|
| Monday    | 2:45 – 6:00 pm   | MEETING         |
| Tuesday   | 10:00 – 11:30 am | Hosting: FHIR-I |
|           | 12:00 – 1:30 pm  | MEETING         |
|           | 2:45 – 4:00 pm   | Joint w/PA      |
|           | 4:30 – 6:00 pm   | MEETING         |
| Wednesday | 10:00 – 11:30 am | MEETING         |
|           | 12:00 – 1:30 pm  | Hosting: Sec    |
|           | 2:45 – 6:00 pm   | MEETING         |

**STANDARDS GOVERNANCE BOARD (SGB)**

|         |                 |   |
|---------|-----------------|---|
| Sunday  | 2:45 – 4:00 pm  | Hosting: ARB  |
| Tuesday | 2:45 – 4:00 pm  | Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, Templates |
| Friday  | 9:00 – 12:30 pm | MEETING   |

**STEERING DIVISIONS**

|        |                |  |
|--------|----------------|--|
| Monday | 8:00 – 9:30 pm | Domain Experts<br>Foundation & Technology<br>Structure & Semantic Design<br>Technical & Support Services |
|--------|----------------|--|

**STRUCTURED DOCUMENTS (SD)**

|           |                  |   |
|-----------|------------------|---|
| Monday    | 12:00 – 4:00 pm  | MEETING   |
|           | 4:30 – 6:00 pm   | Hosting: FHIR-I   |
| Tuesday   | 10:00 – 11:30 am | Joint w/CQI   |
|           | 12:00 – 1:30 pm  | Joint w/Voc   |
|           | 2:45 – 4:00 pm   | Hosting: AID, ARB, AS, BR&R, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB, Templates |
|           | 4:30 – 6:00 pm   | Hosting: FHIR-I   |
| Wednesday | 10:00 – 6:00 pm  | MEETING   |
| Thursday  | 10:00 – 1:30 pm  | MEETING   |
|           | 2:45 – 4:00 pm   | Hosting: FHIR-I   |
|           | 4:30 – 6:00 pm   | MEETING   |
| Friday    | 9:00 – 10:30 am  | Joint w/Templates, EST  |

**TECHNICAL STEERING COMMITTEE (TSC) MEETINGS**

|           |                 |                  |
|-----------|-----------------|------------------|
| Saturday  | 10:00 – 6:00 pm | MEETING          |
|           | 1:30 – 2:30 pm  | Luncheon         |
| Sunday    | 5:15 – 6:15 pm  | MEETING          |
| Wednesday | 1:30 – 2:30 pm  | Luncheon/Meeting |

**TEMPLATES**

|           |                  |   |
|-----------|------------------|---|
| Monday    | 12:00 – 1:30 pm  | MEETING   |
| Tuesday   | 2:45 – 4:00 pm   | Joint w/SD, AID, ARB, AS, BR&R, CS, Conformance, Education, EST, EC, FM, ITS, MnM, V2 Publishing, SGB |
| Wednesday | 2:45 – 4:00 pm   | Joint w/Conformance, FHIR-I   |
| Thursday  | 10:00 – 11:30 am | Joint w/O&O, CDS  |
| Friday    | 9:00 – 10:30 am  | Hosting: EST, SD  |

**UNDERSTANDING THE HL7 INTERNATIONAL ORGANIZATION—FROM PROCESS TO GOVERNANCE**

|        |                |  |
|--------|----------------|--|
| Sunday | 5:00 – 6:00 pm | ORIENTATION/INTRODUCTION – <a href="#">Spanish</a> |
|        | 5:00 – 6:00 pm | ORIENTATION/INTRODUCTION – <a href="#">English</a> |

**US REALM STEERING COMMITTEE**

|          |                |                  |
|----------|----------------|------------------|
| Thursday | 1:30 – 2:30 pm | Luncheon/Meeting |
|----------|----------------|------------------|

**VOCABULARY (Voc)**

|           |                  |   |
|-----------|------------------|---|
| Sunday    | 2:45 – 6:00 pm   | MEETING   |
| Monday    | 12:00 – 6:00 pm  | MEETING   |
| Tuesday   | 10:00 – 11:30 am | MEETING   |
|           | 12:00 – 1:30 pm  | Hosting: SD   |
|           | 2:45 – 4:00 pm   | Hosting: FHIR-I   |
|           | 4:30 – 6:00 pm   | Joint w/PC, CIMI, FHIR-I                                      |
| Wednesday | 10:00 – 11:30 am | Hosting: FHIR-I   |
|           | 12:00 – 1:30 pm  | Hosting: MnM  |
|           | 2:45 – 4:00 pm   | Joint w/V2 Publishing   |
|           | 4:30 – 6:00 pm   | Joint w/PC  |
| Thursday  | 8:00 – 9:00 am   | MEETING   |
|           | 10:00 – 11:30 am | Hosting: Conformance, InM                                     |
|           | 12:00 – 1:30 pm  | Hosting: Conformance  |
|           | 2:45 – 4:00 pm   | Hosting: CIMI, Conformance                                    |
|           | 4:30 – 6:00 pm   | MEETING   |
|           | 6:30 – 9:00 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.

# General Information

## “EARLY BIRD” RATE DEADLINE

Advance meeting registration, including payment, is required by Friday, April 14, 2017 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 24-26) for a schedule of meeting fees.

**Please Note:** Early Bird rates now apply to the HL7 FHIR Connectathon.

## TO REGISTER

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

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

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

Online registration is also available via our website ([www.HL7.org](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 April 21, 2017. After that time, registrations can only be made on-site. All on-site registrations require payment in full at the time of registration.

## CANCELLATION POLICY

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

## TUTORIAL CANCELLATION

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

The tutorial schedule is subject to change. A tutorial may be cancelled 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

Breakfast is included in the room rate, 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's May 2017 International Conference & Working Group Meeting will be held at:

### MADRID MARRIOTT AUDITORIUM HOTEL & CONFERENCE CENTER

Avenida de Aragon No 400  
Madrid 28022 Spain  
Phone: +34 914 00 44 00

To reserve your room, the hotel has set up a special website registration process just for HL7 attendees. HL7 attendees should log on to <http://bit.ly/MadridWGMHotel> and follow the reservation instructions.

The hotel offers complimentary shuttle service to/from the airport. See schedule on website.

## GROUND TRANSPORTATION

The Madrid Marriott Auditorium Hotel & Conference Center is approximately 3.7 miles SE from the Adolfo Suárez Madrid-Barajas Airport – MAD.

## TRANSPORTATION

- Estimated taxi fare: 25 EUR (one way)

## PARKING

- Complimentary parking for all hotel guests.
- On-site parking for those not staying at the hotel,
  - Fee: 3 EUR hourly
  - 21 EUR daily

## 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 April 14, 2017 is the deadline for Early Bird fees. All advance registrations must be received by end of day on April 21, 2017. 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** (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 both Saturday and Sunday. Lunch tickets will be included in your registration packet.**

☐ 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 for the Friday event is required. See page 6 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                        |                                    |            |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------|
|  | Before 4/14                        | After 4/14                         | Before 4/14                        | After 4/14                         | Amount Due |
| <b>Sunday – Friday Option:</b><br>Please register me for the entire week. Please note that the Sunday-Friday Option does not include the cost of tutorials. <b>Please register separately for any tutorials you would like to attend on the following page.</b>  | <input type="checkbox"/> \$920     | <input type="checkbox"/> \$1,195   | <input type="checkbox"/> \$1,305   | <input type="checkbox"/> \$1,720   | \$ _____   |
| <b>Monday – Friday Option:</b><br>Please register me for the entire week. Please note that the Monday-Friday Option does not include the cost of tutorials. <b>Please register separately for any tutorials you would like to attend on the following page.</b>  | <input type="checkbox"/> \$770     | <input type="checkbox"/> \$1,045   | <input type="checkbox"/> \$1,155   | <input type="checkbox"/> \$1,570   | \$ _____   |
| <b>Per Day Fees:</b><br>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. <b>Please register separately for any tutorials you would like to attend on the following page.</b> | <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                                 |   |          |
|---|---|---|---|---|----------|
|   | Before 4/14                                 | After 4/14                                  | Before 4/14                                 | After 4/14                                  |          |
| <b>FHIR Connectathon:</b><br>Please note: No partial registrations for the FHIR Connectathon will be accepted. The registration fee covers all day Saturday and Sunday morning. <b>Lunch will be provided on Saturday and Sunday.</b> | <input type="checkbox"/> Participant: \$295 | <input type="checkbox"/> Participant: \$395 | <input type="checkbox"/> Participant: \$395 | <input type="checkbox"/> Participant: \$495 |          |
|   | <input type="checkbox"/> Observer: \$395    | <input type="checkbox"/> Observer: \$495    | <input type="checkbox"/> Observer: \$495    | <input type="checkbox"/> Observer: \$595    | \$ _____ |
| <b>Clinicians on FHIR:</b><br>Please note: You must register for Friday in order to attend this session. See page 6 for details.  | <input type="checkbox"/> No Fee             |   | <input type="checkbox"/> No Fee             |   | \$ _____ |

**Deadline for Discounted Rates:** Payment must be received by April 14, 2017 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

## 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.

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 if they wish to use their organization's free tutorial seats for this meeting.

### SUNDAY

- ☐ **Track 5—Information Forums:** First-Time Attendees' Orientation — FREE TUTORIAL — **Spanish** (F1) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 5—Information Forums:** First-Time Attendees' Orientation — FREE TUTORIAL — **English** (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 — **Spanish** (F3) — 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 — **English** (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 — **Spanish** (F5) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 5—Information Forums:** First Time Attendees' Orientation — FREE TUTORIAL — **English** (F6) — Must sign up to attend this tutorial (Please check the box.)

#### Afternoon Sessions

- Track 3—Special Topics:** Standards for Interoperability — **Spanish** (M1)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 4—FHIR:** Introduction to HL7 FHIR — **Spanish** (M2)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 4—FHIR:** FHIR for Clinicians and Decision Makers - FREE TUTORIAL — **English** (M3)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

### TUESDAY

#### Morning Sessions

- ☐ **Track 5—Information Forums:** Glossary Management — FREE TUTORIAL — **English** (F7) — Must sign up to attend this tutorial (Please check the box.)
- ☐ **Track 5—Information Forums:** How to Develop University Courses in Biomedical Informatics — FREE TUTORIAL — **English** (F8) — Must sign up to attend this tutorial (Please check the box.)

- Track 1—Version 2.x:** Introduction to Version 2, Part 1: Control/Patient Administration — **Spanish** (T4)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 4—FHIR:** FHIR for Architects — **English** (T5)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

#### Afternoon Sessions

- Track 1—Version 2.x:** Introduction to Version 2, Part 2: Orders and Observations — **Spanish** (T6)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 2—Version 3 and CDA:** Introduction to Clinical Document Architecture — **Spanish** (T7)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 4—FHIR:** FHIR for Specifiers — **English** (T8)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

### WEDNESDAY

#### Morning Sessions

- Track 1—Version 2.x:** Version 2 Message Profiles and Conformance — **Spanish** (W9)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 2—Version 3 and CDA:** Clinical Document Architecture—Advanced — **Spanish** (W10)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 4—FHIR:** Introduction to FHIR Development — **English** (W11)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

#### Afternoon Sessions

- Track 1—Version 2.x:** Version 2.7 Control Specialist Certification Exam Preparation — **Spanish** (W12)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 2—Version 3 and CDA:** HL7 CDA Specialist Certification Exam Preparation — **Spanish** (W13)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_
- Track 4—FHIR:** Understanding and Using Terminology in HL7 FHIR — **English** (W14)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

### THURSDAY

#### Morning Sessions

- ☐ **Track 5—Information Forums:** Newly Elected Co-Chair Training — FREE TUTORIAL — **English** (F9) — Must sign up to attend this tutorial (Please check the box.)
- Track 4—FHIR:** C-CDA on FHIR — **English** (TH15)

☐ \$110 ☐ \$215 ☐ \$325 ☐ \$490 \$ \_\_\_\_\_

#### Afternoon Sessions

- Track 1—Version 2.x:** Version 2.7 Control Specialist Certification Exam — **English** (TH16)

☐ \$199 ☐ \$199 ☐ \$350 ☐ \$350 \$ \_\_\_\_\_
- Track 2—Version 3 and CDA:** HL7 CDA Specialist Certification Exam — **English** (TH17)

☐ \$199 ☐ \$199 ☐ \$350 ☐ \$350 \$ \_\_\_\_\_
- Track 4—FHIR:** Precision Medicine via FHIR: From Design to Deployment — **English** (TH18)

☐ \$199 ☐ \$199 ☐ \$350 ☐ \$350 \$ \_\_\_\_\_

**Total Amount Due \$** \_\_\_\_\_

## 4. Payment Information:

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

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

Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

Name on Card (Please Print): \_\_\_\_\_ Billing Zip Code: \_\_\_\_\_



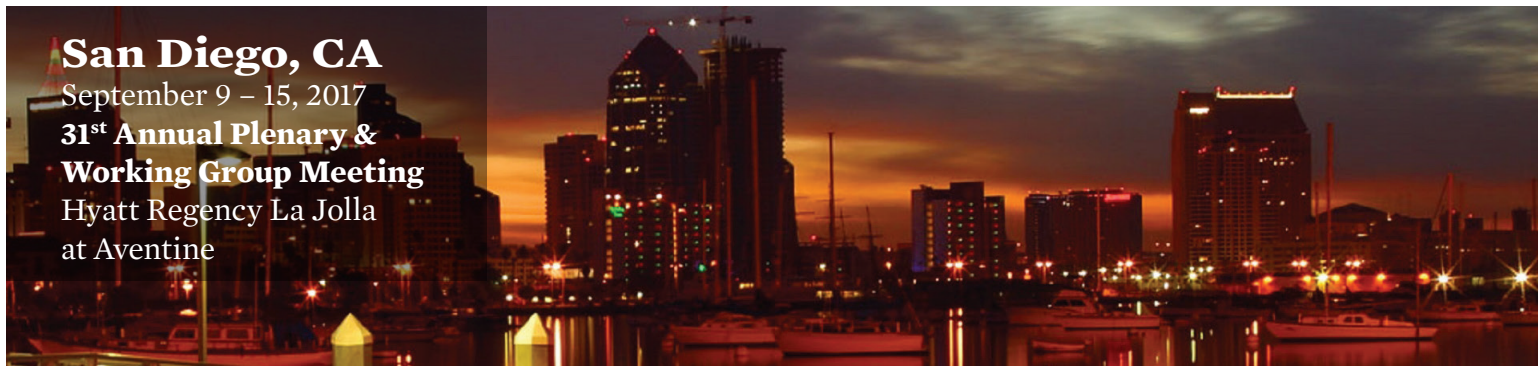
## Upcoming Working Group Meetings

### **San Diego, CA**

September 9 – 15, 2017

#### **31<sup>st</sup> Annual Plenary & Working Group Meeting**

Hyatt Regency La Jolla  
at Aventine



### **New Orleans, LA**

January 27 – February 2, 2018

#### **Working Group Meeting**

Hilton New Orleans Riverside



### **Cologne, Germany**

May 12 – 18, 2018

#### **Working Group Meeting**

Maritim Hotel Cologne



### **Baltimore, MD**

September 29 – October 5, 2018

#### **32<sup>nd</sup> Annual Plenary & Working Group Meeting**

Hyatt Regency Baltimore  
Inner Harbor



### **San Antonio, TX**

January 12 – 18, 2019

#### **Working Group Meeting**

Hyatt Regency San Antonio  
on the Riverwalk







# Madrid, Spain

Welcome to Madrid, the capital of Spain and a lively cosmopolitan and friendly city where everyone feels at home. Its rich artistic and natural heritage, cutting-edge transport network, quality accommodation, fine cuisine and the passion locals show when enjoying their city's day and night life make it one of the most attractive cities in the world.

Madrid's cultural and historical legacy can be felt in the streets: Hapsburg Madrid, Bourbon Madrid, Medieval Madrid, 19th-century Madrid, Goya's Madrid or Velázquez's Madrid, amongst others. With almost 3,000 hours of sunlight per year, Madrid is a bright and warm city. A great number of parks embellish the city and contribute to creating a pleasant and healthy atmosphere, making it, at the same time, the greenest city in Europe. Madrid offers visitors everything one can imagine in terms of leisure and entertainment. In Madrid days are never-ending and they just merge with the night. It is a lively metropolis with many pubs, cafes, discotheques and nightclubs open late into the night. Over 3,100 restaurants delight the most exquisite palates, adding even more flavor to its gastronomy. Madrid can be considered a melting pot of all the different cuisines in the world and, of course, Spanish specialties as well.

The Royal Palace, whose architect drew inspiration from the sketches by Bernini for Paris's Louvre, is a must-visit in a tour of traditional Madrid. You can't miss taking pictures in Plaza Mayor or Puerta del Sol, from which the national roads starting in Madrid fan out. The plaque is located facing the former Royal Post Office building, currently home to the Regional Government of the Region of Madrid. On your walk towards El Retiro Park, you'll see the Cibeles Fountain, one of the symbols of Madrid, and Puerta de Alcalá gate, a triumphal arch that is one of Madrid's most photographed landmarks. If you're an art lover, the Prado Museum and the Reina Sofía Museum (MNCARS) are places you can't miss.

But if there's one thing that sets Madrid apart, it must be its deep and infectious passion for life that finds its outlet in the friendly and open character of its inhabitants. Concerts, exhibitions, ballets, a select theatrical offering, the latest film releases, the opportunity to enjoy a wide range of the best Spanish and international gastronomy, to savor the charms of its bars and taverns... all these are just a few of the leisure options on offer in Madrid. There is also a tempting array of shops and businesses featuring both traditional establishments and leading stores offering top brands and international labels.

*Copy courtesy of Visit Madrid.*

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