



Health Level Seven® International

Unlocking the Power of Health Information

January 2017 WORKING GROUP MEETING

January 14-20, 2017

Hyatt Regency San Antonio on the Riverwalk • San Antonio, TX

Register Today!

Hotel Reservation &

Early Bird Registration Cutoff: December 23, 2016

Online Registration Cutoff: January 2, 2017



New Initiatives

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

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



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Upcoming Co-Chair Elections

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

Work Group	# being elected
Attachments	1
Biomedical Research Integrated Domain Group	1
Clinical Genomics	2
Clinical Information Modeling Initiative	2
Clinical Interoperability Council	1
Clinical Statement	1
Electronic Health Records	3
Electronic Services and Tools	2
Health Care Devices	1
Mobile Health	1
Modeling and Methodology	1
Orders and Observations	2
Public Health & Emergency Response	1
Patient Administration	1
Structured Documents	2
Templates	1
Vocabulary	2

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WEDNESDAY PM NETWORKING RECEPTION



WEDNESDAY PM COOKIE BREAK



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Meeting Schedule Key

Q1 = 9:00 am – 10:30 am

Q2 = 11:00 am – 12:30 pm

Q3 = 1:45 pm – 3:00 pm

Q4 = 3:30 pm – 5:00 pm

Working Group Meeting Schedule at a Glance

Saturday, January 14

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

Sunday, January 15

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

Monday, January 16

- 7:00 – 8:00am **First-Time Attendees' Orientation – FREE TUTORIAL**
- 7:00 – 5:00pm REGISTRATION
- 7:30 – 8:30am Continental Breakfast
- 8:00 – 8:45am General Session – HL7 CEO and International Council Reports, Announcements
- 8:30 – 7:00pm **Payer Summit**
- 9:00 – 12:30pm **Introduction to Version 2, Part 1: Control and ADT Standards for Interoperability**
- ★ 9:00 – 12:30pm **Precision Medicine via FHIR: From Design to Deployment**
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Lunch – First-Time Attendees' Q & A reserved tables
- 12:30 – 1:30pm Education Facilitators' Roundtable Luncheon/Meeting
- 1:45 – 5:00pm **Introduction to Version 2, Part 2: Orders and Observations**
- ★ 1:45 – 5:00pm **Driving Health Information Exchange Using XDS with CDA and FHIR**
- ★ 1:45 – 5:00pm **Introduction to HL7 FHIR**
- 3:00 – 3:30pm Afternoon Break
- 5:15 – 7:00pm Co-Chairs Dinner/Meeting (**Must register**)
- 7:00 – 8:30pm Domain Experts Steering Division
- 7:00 – 8:30pm Foundation & Technology Steering Division
- 7:00 – 8:30pm Structure & Semantic Design Steering Division
- 7:00 – 8:30pm Technical & Support Services Steering Division

Tuesday, January 17

- 7:00 – 8:00am **OLE! – Navigating Madrid – FREE TUTORIAL**
- 7:00 – 8:00am **Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs – FREE TUTORIAL**
- 7:00 – 8:00am Nurses Breakfast/Meeting
- 7:00 – 5:00pm REGISTRATION
- 7:30 – 8:30am Continental Breakfast
- 8:00 – 8:45am General Session – HL7 CTO and TSC Reports, Announcements
- 8:30 – 1:30pm **Payer Summit**
- 9:00 – 12:30pm **Attachments for Reimbursement, Authorization, and Referrals: Overview for Managers, Architects & Implementers**
- 9:00 – 12:30pm **Consolidated CDA 2.1**
- ★ 9:00 – 12:30pm **FHIR for Architects**
- 9:00 – 5:00pm Working Group Meetings

- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Lunch – Board of Directors'/Affiliates
- 1:45 – 5:00pm Board of Directors' Meeting
- ★ 1:45 – 5:00pm **Attachments: Technical Introduction for Architects and Implementers**

- ★ 1:45 – 5:00pm **2015 US Law MACRA: Role of Standards in QPP and MU3**
- ★ 1:45 – 5:00pm **FHIR for Specifiers**
- 3:00 – 3:30pm Afternoon Break

Wednesday, January 18

- 7:00 – 8:00am **How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL**
- 7:00 – 8:00am **GSI Standards for Supply Chain Meets HL7 – FREE TUTORIAL**
- 7:00 – 8:00am Physicians Breakfast/Meeting
- 7:30 – 8:30am Continental Breakfast
- 7:30 – 5:00pm REGISTRATION
- 8:00 – 8:45am General Session – HL7 Board Report, Awards Presentations, Announcements
- ★ 9:00 – 12:30pm **Introduction to Clinical Document Architecture**
- ★ 9:00 – 12:30pm **How to Implement HL7 Standards for Real-World Success**
- ★ 9:00 – 12:30pm **Introduction to FHIR Development**
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Technical Steering Committee (TSC) Luncheon/Meeting
- 12:30 – 1:30pm Clinicians on FHIR Luncheon/Meeting
- ★ 1:45 – 5:00pm **CDA Template Design in Theory and Practice**
- 1:45 – 5:00pm **Implementing HL7 Standards Based Interoperability in Preparation for MACRA/MIPs and MU Stage 3**
- ★ 1:45 – 5:00pm **Understanding and Using Terminology in HL7 FHIR**
- 3:00 – 3:30pm Afternoon Break
- 5:15 – 7:15pm Networking Reception

Thursday, January 19

- 7:00 – 8:00am **Newly Elected Co-Chair Training – FREE TUTORIAL**
- 7:30 – 8:30am Continental Breakfast
- 7:30 – 5:00pm REGISTRATION
- 8:00 – 8:45am General Session – Announcements
- ★ 9:00 – 12:30pm **C-CDA on FHIR**
- 9:00 – 5:00pm Working Group Meetings
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm US Realm Steering Committee Luncheon/Meeting
- 12:30 – 5:00pm Affiliate Chair or Designated Rep Luncheon/Meeting (**Must register**)
- 3:00 – 3:30pm Afternoon Break
- 5:30 – 8:00pm FHIR-I, MnM & Vocabulary Facilitators' Roundtable

Friday, January 20

- 8:00 – 8:45am **No General Session**
- 8:00 – 9:00am Continental Breakfast
- 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
- 9:00 – 3:00pm Standards Governance Board
- 9:00 – 3:00pm ISO/TC215-WG2 Meeting
- 10:30 – 11:00am Morning Break
- 12:30 – 1:30pm Box Lunch

Note: Tutorials appear in bold

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

HL7 Payer Summit

Monday & Tuesday, January 16-17, 2017

The Challenges of Value-Based Care and Today's Interoperability Solutions

What are HL7 Payer Summits?

As the healthcare industry increasingly needs to share information, the necessity for having standards-based interactions becomes more important, particularly for the payer and provider community.

HL7 Payer Summits provide an intensive two-day snapshot of current work in standards development and how those efforts intersect with the needs of payers.

Who Should Attend?

Payer executives, directors, managers and other key staff in the following areas:

- Clinical and administrative data exchange areas
- Electronic health records
- Health Information Exchange
- Value-based care & alternate payment models
- Enterprise architecture
- Physician relations
- Customer relations & member engagement

Why Should I Attend?

HL7 established the Payer Summit programming as part of an initiative to support the payer community and its effort to make the implementation of standards easier and more efficient. Attending the Payer Summit is a great way for the community to come together to share standards-based solutions to your most pressing business needs.

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Program

DAY 1

8:30 am – 9:00 am

KEYNOTE: **MACRA Overview and Update: The Impact on Quality Reporting and Alternative Payment Models**

This informative session will provide an overview and the latest news on MACRA, the Medicare Access and CHIP Reauthorization Act. Understand how MACRA addresses Medicare payment reform while MIPS, the Merit-based Incentive Programs System, provides one of two options through which providers can submit data required by MACRA. Get a CMS perspective on the impact of MACRA & MIPS on performance measurement and value based purchasing across multiple settings as well as the promotion of meaningful use of electronic health records to improve patient outcomes.

Speaker:

Rob Anthony, Deputy Director in the Quality Measurement & Value-Based Incentives Group, CMS

9:00 am – 10:30 am

The Reality of Clinical Data Access and Exchange

Payers and providers are focusing resources and efforts on value-based care to lower costs and realize better outcomes. Hear several perspectives on the industry's journey toward value-based payment models and improved quality reporting. This session will discuss the challenges of coordinating payer/provider workflows to capture, use and re-use data to improve quality and clinical decision support.

Speakers:

Walter Suarez, MD, MPH, Executive Director, Health IT Strategy and Policy, Kaiser Permanente

Shelly Spiro, Executive Director, Pharmacy HIT Collaborative

Mike Baillie, Vice President Optum Data eXchange, OptumInsight

10:30 am – 11:00 am

Break

11:00 am – 12:30 pm

Sponsored Education Sessions

Sample topics of interest to attendees include:

- Analytics
- Chronic care management
- Health Information Exchange (HIE)
- Operational implications for using C-CDA
- Consumer engagement and population health

12:30 pm – 1:30 pm

Lunch

1:30 pm – 3:00 pm

Standards Roundtable

This session is all about when the rubber meets the road! You won't want to miss these candid and inspiring first-hand accounts of HL7-based implementations.

Speakers:

Cambia Health Solutions cloud-based projects and initiatives related to FHIR, clinical data and the use of administrative data.

Frank Viviano, Director of Interoperability Services, Cambia Health Solutions

The benefits of enabling enrollment, authorizations and referrals via FHIR.

Paul Knapp, President, Knapp Consulting Inc.; Member, HL7 Technical Steering Committee; Co-Chair, HL7 Financial Management and Implementable Technology Specification Work Groups

Overview of the SMART on FHIR initiative, the FHIR Genomic pilots and their status around the world. Ongoing investigations and developments as well lessons learned along the way will also be discussed.

Gil Alterovitz, PhD, SMART/FHIR Genomics Lead, Boston Children's Hospital and Harvard Medical School

Demonstration of VisualDx, a diagnostic clinical decision support system. VisualDx uses SMART on FHIR to assist front line health care professionals visualize variations of disease and solve complex presentations at the point of care.

Arthur Papier, MD, Associate Professor in Dermatology and Medical Informatics, University of Rochester; Chief Executive Officer, VisualDx

3:00 pm – 3:30 pm

Break

3:30 pm – 5:00 pm

Consult the Experts Session I

With the advent of value-based care and electronic health records, payers are more dependent on clinical data than ever before and Health Level Seven (HL7) can help. In this session you will learn how HL7 ADT (admit, transfer and discharge) messages, also known as trigger events, are used to support care coordination and how a new standard, the Care Plan Document, is used for exchanging care plan information with providers helping to uncover gaps in care. If your organization trying to acquire clinical data and turning to vendors for support, HL7 API's (Application Program Interfaces) and standards may be your answer. This is your opportunity to ask the experts to answer your burning standards and/or implementation questions. Come armed with your questions or submit them in advance.

Speakers:

AbdulMalik Shakir, President and Chief Informatics Scientist, Hi3 Solutions – HL7 Messages Expert

Rick Geimer, Chief Technology Office, Lantana Consulting Group – HL7 CDA® Expert

Dave Shaver, Chief Technology Officer, Corepoint Health – Integration Engine Expert

Consult the Experts Session II

The session will be a follow-up to the October 2016 Partners-In-Interoperability meeting in Baltimore. The meeting included a break-out session on Value-based care challenges for the industry and the roles that the HL7 FHIR and Consolidated CDA standards can play. Hear next steps being considered and opportunities to incorporate digital care plan exchange as a means to improve consumer engagement. Participate in facilitated discussions with attendees on 1) options and approaches to leverage technology/standards to support value-based care, 2) the real-world payer/provider challenges of shifting from FHIR Connectathons into pilots or production operations.

Speakers:

Rahul Dubey, Senior Vice President, Innovation and Solutions, AHIP

Rahul will discuss the challenges and opportunities explored during the Value-based Care session at HL7's recent Partners in Interoperability conference and share next steps for those interested in helping address the challenges.

Lisa Nelson, Founder and Medical Informatics Consultant, Life Over Time Solutions, LLC

Hear about the challenges of digital care plan exchange. Get an update on the available CDA and FHIR based standards for provider, payer and consumer exchange of care plans to support more effective care management.

Paul Oates, Senior Director of Enterprise Architecture, CIGNA HealthCare

Hear about the open issues and operational challenges the industry will face for effective provider and payer implementation associated with the emerging growth of FHIR beyond Connectathons and pilot projects. Be part of next-steps discussions at the Summit and share your ideas on approaches to address the challenges.

5:30 pm – 7:00 pm

Networking Reception

DAY 2

8:30 am – 9:00 am

KEYNOTE: Approaches to Tackle Provider & Consumer Challenges: Removing Burdens from and Options to Engaging Consumers

Many different approaches to health information sharing have been launched in the past decade, with some having more impact

than others. This session will examine what approaches have had the most impact and which hold the most promise for the future to reduce the quality reporting burden from providers and engage consumers by incorporating social determinants of health?

Andrea Gelzer, MD, Senior Vice President and Medical Officer, AmeriHealth Caritas

9:00 am – 10:30 am

Precision Medicine and Genomics

Precision medicine is an emerging approach to disease treatment and prevention that is tailored to an individual's genes, lifestyle and environment. Industry thought leaders at the cross-section of interoperability and genetics will address the national Precision Medicine Initiative and discuss how genomics does and will affect the practice of medicine and its implications for payers.

Speakers:

Scott Whyte, Senior Vice President, Clear Data

Grant Wood, Senior IT Strategist, Intermountain Health Care Clinical Genetics Institute

10:30 am – 11:00 am

Break

11:00 am – 12:30 pm

Next Generation Health Infrastructure: Where Are We Now and Where Do Go From Here To Help Transform Healthcare

Many Health Information Exchanges (HIEs) serve as regional or statewide resources to support continuity of care, lower costs, and realize better outcomes. Several offer a variety of clinical data exchange and administrative clearinghouse services. Hear how three leading HIEs organized and connected in their community. Learn about their journey to support the industry's transition to value-based payment models and quality measure reporting. Understand how HIEs are positioning themselves to support payers, providers and consumers as an integral part to achieving nationwide interoperability.

Speakers:

Tim Pletcher, Executive Director, Michigan Health Information Network Shared Services (MiHIN)

David Kendrick, MD, MPH, Chief Executive Officer, MyHealth Access Network (Oklahoma HIE) and Board Member, Strategic Health Information Exchange Collaborative (SHIEC)

Teresa Rivera, Chief Executive Officer and President, Utah Health Information Network (UHIN)

12:30 pm – 1:30 pm

Lunch

HL7 Government Projects Luncheon Roundtable



Tuesday, January 17 / 12:30 – 1:30 pm

This closed session is designed for all government employees, from novice to expert, to learn about what federal partners are present in HL7, the kind of work that has been and can be done in HL7, and to meet and consider opportunities to collaborate across the government with HL7. Rather than focusing on what HL7 does, it will focus on how to be successful in advancing government work through stakeholder collaboration and consensus-based standards development. There will be a brief government roundtable, introducing each participant, their agency's work in standards, and a discussion of the opportunities for collaboration and success at the San Antonio WGM and beyond.

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 21-25 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 8-18.

★ Clinicians on FHIR®

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

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 – 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.

TRACK 1—VERSION 2 CORE

M1 – Introduction to Version 2, Part 1:

Control and ADT

Monday, January 16 / 9:00 am – 12:30 pm

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

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

Faculty:

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

M4 – Introduction to Version 2, Part 2:

Orders and Observations

Monday, January 16 / 1:45 pm – 5:00 pm

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

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

Faculty:

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

TRACK 2—CDA® CORE

M5 – Driving Health Information

Exchange Using XDS with CDA and FHIR



Monday, January 16 / 1:45 pm – 5:00 pm

This is a practical session on how to use IHE XDS and HL7 Fast Healthcare Interoperability Resources (FHIR®) using Clinical Document Architecture (CDA®) documents as the payload and freely available open source toolkits to assist implementers. Why reinvent the wheel?

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

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

Prerequisites:

- Students should have a basic understanding of healthcare workflows

Faculty:

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



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.

T7 – Attachments for Reimbursement, Authorization and Referrals: Overview for Managers, Architects and Implementers

Tuesday, January 17 / 9:00 am – 12:30 pm



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

This Tutorial Will Benefit:

- Managers, architects and engineers planning to implement attachments

Upon Completion of This Tutorial, Students Will:

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

Faculty:

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

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

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

T8 – Consolidated CDA 2.1

Tuesday, January 17 / 9:00 am – 12:30 pm

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

This Tutorial Will Benefit:

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



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 30).

- Stakeholders interested in structured document standards development

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

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

Prerequisite:

- Introduction to CDA

Faculty:

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

T10 – Attachments: Technical Introduction for Architects and Implementers

Tuesday, January 17 / 1:45 pm – 5:00 pm



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

This Tutorial Will Benefit:

- Architects and engineers planning to implement attachments

Upon Completion of This Tutorial, Students Will:

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

Prerequisites:

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

Faculty:

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

Durwin Day: Co-Chair, HL7 Payer User Group; Co-Chair, HL7 Attachments Work Group

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

W13 – Introduction to Clinical Document Architecture

Wednesday, January 18 / 9:00 am – 12:30 pm

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

This Tutorial Will Benefit:

- New implementers, standards developers and policy makers

Upon Completion of This Tutorial, Students Will Know:

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

Prerequisites:

- Introduction to Version 3 (Part 1) recommended

Faculty:

Calvin E. Beebe, FHL7: Chair-Elect, HL7 International 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

W16 – CDA Template Design in Theory and Practice

Wednesday, January 18 / 1:45 pm – 5:00 pm

In order to address requirements for healthcare data exchange, HL7's Clinical Document Architecture (CDA®) is used. To constrain the general CDA model to specific use

cases, CDA template specifications as part of implementation guides are created, published and maintained.

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

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

Prerequisites:

- Basic XML skills and general knowledge of CDA

Faculty:

Kai U. Heitmann, MD, FHL7: CEO, HL7 Germany; Heitmann Consulting

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

TRACK 3—HL7 SPECIAL TOPICS

M2 – Standards for Interoperability

Monday, January 16 / 9:00 am – 12:30 pm

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

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

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

Faculty:

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

T11 – 2015 US Law MACRA: Role of Standards in QPP and MU3

Tuesday, January 17 / 1:45 pm – 5:00 pm



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

The Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) finalizes policies to improve physician and other clinician payments by changing the way Medicare incorporates quality measurement into payments and by developing new policies to address and incentivize participation in Alternative Payment Models (APMs). These unified policies to promote greater value within the healthcare system are referred to as the Quality Payment Program (QPP). An introduction to QPP is provided at <https://qpp.cms.gov>.

MACRA is effective Jan 1, 2017 and advances a forward-looking, coordinated framework for healthcare providers to successfully take part in the CMS Quality Payment Program that rewards value and outcomes through either Advanced Alternate Payment Models (APMs) and Merit-based Incentive Payment System (MIPS).

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

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

This Tutorial Will Benefit:

- US based providers and hospitals eligible to receive financial incentives under MACRA legislation
- Consultants and companies who are providing MACRA:QPP technical assistance
- EHR vendors striving to certify their EHR under the ONC 2015 EHR Certification Program
- Countries considering the introduction of national incentives to encourage EHR adoption

Upon Completion of This Tutorial, Students Will:

- Know what Quality Payment Program (QPP) is, who defined it, what it means and how it is relevant to HL7
- Be able to analyze which HL7 standards are mentioned in the QPP regulation
- Understand the details of Quality Payment Program and its two categories
 - » Advanced APM (Alternate Payment Models)
 - » MIPS (Merit-based Incentive Payment System)
- Know what Meaningful Use is, who defined it, and what it means
- Understand the details of Meaningful Use Stage 3 objectives and measures

Prerequisites:

- Standards for Interoperability tutorial (optional)

Faculty:

Gora Datta: HL7 International Ambassador; Group Chairman & CEO, CAL2CAL Corporation

W14 – How to Implement HL7 Standards for Real-World Success

Wednesday, January 18 / 9:00 am – 12:30 pm



Take a deep dive into HL7 standards to learn about the in-and-outs of requirements specification, conformance, profiling, testing, and how to apply these mechanisms effectively to achieve interoperable implementations. The principles of conformance are explored on a conceptual level and in detail for each of the HL7 standard product families (including HL7 Version 2.x, CDA, and FHIR).

Base standards provide a framework for specification, and implementation specifications are formed through the process of profiling those standards. Insights for effective profiling are given along with an overview of the profiling strategies and tools that are available to aid implementers. The concepts and application of conformance and interoperability testing are presented, including the purpose and goals, test plan overview and development, testing models and architecture, and testing tools that help implementers confirm conformance of their products. Students will gain an understanding of common terms, such as interoperability, conformance, compliance,

compatibility and profiling. They will be prepared to design and implement their own complex interoperable healthcare information technologies.

This Tutorial Will Benefit:

- Implementers, developers, analysts, and testers seeking an in-depth understanding and interpretation of HL7 standards and implementation guides
- Providers implementing ONC 2015 Edition certified HIT modules to satisfy MU Stage 3 or MACRA/MIPs regulations in the US domain
- Vendors working on development and certification of ONC 2015 Edition certified HIT modules
- Other stakeholders who would benefit from understanding the conformance mechanisms used to specify requirements in and across the family of HL7 standards

Upon Completion of This Tutorial, Students Will:

- Understand the key conformance concepts and apply them to interoperability standards
- Comprehend and compare standards across the family of HL7 standards product lines
- Understand and leverage tools and utilities to aid in development of implementations
- Be able to initiate testing programs locally to improve implementations

Prerequisites:

- Basic understanding of at least one HL7 standard

Faculty:

Rob Snelick: Co-Chair, HL7 Conformance Work Group; Manager and Software Architect, National Institute of Standards and Technology (NIST)

HL7 standards including the Consolidated CDA (C-CDA) for patient and provider communication, API access (likely using FHIR), Quality Reporting Document Architecture (QRDA) for e-submission of quality measures, and Version 2-based implementation guides for public health. This tutorial will explain the use of HL7 standards to achieve each interoperability goal of the regulations.

This Tutorial Will Benefit:

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

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

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

Faculty:

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

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

W17 – Implementing HL7 Standards Based Interoperability in Preparation for MACRA/MIPS and MU Stage 3



Wednesday, January 18 / 1:45 pm – 5:00 pm

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

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

All of these functions utilize HL7 standards. The regulations require or encourage providers to meet high thresholds on interoperability objectives using numerous

TRACK 4—FHIR

FHIR Connectathon



Saturday, January 14 / 9:00 am – 5:00 pm

Sunday, January 15 / 9:00 am – 12:30 pm

This connectathon runs all day Saturday and Sunday morning. Registrants should plan to attend the entire event; no partial registrations will be accepted.

A Fast Healthcare Interoperability Resources (FHIR®) Connectathon is an opportunity for implementers to participate in developing FHIR solutions and exchange data with other FHIR interfaces. The connectathon is not a formal tutorial. There will be no lectures or presentations. Instead, you'll participate in 1.5 days of hands-on, heads down development and testing, working directly with other FHIR developers as well as senior members of the FHIR standards development team. The connectathon is a chance to get your hands dirty and learn by doing as well as to help evolve the FHIR specification.

Participation in the connectathon will be as part of one of several tracks. Participants will be asked to confirm which track they wish to follow a few days in advance of the connectathon (based on their level of readiness as well as area of interest). Details on the scenarios for both tracks as well as information on pre-connectathon discussion forums can be found on the connectathon website here: http://wiki.hl7.org/index.php?title=FHIR_Connectathon_14.

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.

NOTE: Lunch is included on Saturday, but not Sunday.

M3 – Precision Medicine via FHIR: From Design to Deployment

Monday, January 16 / 9:00 am – 12:30 pm



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

This Tutorial Will Benefit:

- IT professionals, developers, EMR vendors and clinicians

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

- List use 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

M6 – Introduction to HL7 FHIR

Monday, January 16 / 1:45 pm – 5:00 pm



FHIR (Fast Healthcare Interoperability Resources) is the newest healthcare interoperability standard offered by HL7, providing domain friendly wire formats compatible across the document, messaging, services and RESTful paradigms. This tutorial is designed 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:

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

T9 – FHIR for Architects

Tuesday, January 17 / 9:00 am – 12:30 pm



FHIR is attracting a great deal of attention as the next “great thing” in healthcare interoperability. This tutorial will help participants understand where and how 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.

T12 – FHIR for Specifiers

Tuesday, January 17 / 1:45 pm – 5:00 pm



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

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will:

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

- Know the role conformance resources are used to compose an implementation guide
- Write a FHIR value set and structure definition for a single resource
- Know where and how to register and find existing conformance resources

Prerequisites:

- Introduction to HL7 FHIR

Faculty:

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

W15 – Introduction to FHIR Development

Wednesday, January 18 / 9:00 am – 12:30 pm



This tutorial provides an in-depth look 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.

W18 – Understanding and Using Terminology in HL7 FHIR

Wednesday, January 18 / 1:45 pm – 5:00 pm



Terminology is a required foundational component for interoperable data exchange in FHIR and other clinical data standards. This tutorial takes 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

TH19 – C-CDA on FHIR

Thursday, January 19 / 9:00 am – 12:30 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

TRACK 5—INFORMATION FORUMS

F1/F4 – First-Time Attendees' Orientation – FREE TUTORIAL

Sunday, January 15 / 3:00 pm – 4:00 pm

Monday, January 16 / 7:00 am – 8:00 am

This is a special orientation session for first-time attendees. It will give those new to HL7 the lay of the land and help ensure they get the very most out of their first working group meeting experience. The session will consist of a quick meeting tour and a question and answer session that will help attendees make informed choices and maximize their time at the meeting. It will be offered twice during the meeting—once on Sunday evening and again on Monday morning.

Faculty:

Calvin E. Beebe, FHL7: Chair-Elect, HL7 International 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

F2 – Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL

Sunday, January 16 / 4:00 pm – 5:00 pm

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Know:

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

Faculty:

Calvin E. Beebe, FHL7: Chair-Elect, HL7 International 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 – Tutorial Development Workshop – FREE TUTORIAL

Sunday, January 15 / 5:00 pm – 6:00 pm

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

This Tutorial Will Benefit:

- Tutorial presenters and developers

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

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

Prerequisites:

- How to Design and Deliver an HL7 Tutorial

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; SKMT Governance Committee, ISO Representative and Administrator of SKMT; Convenor ISO WG3-Semantic Content; Member IHTSDO Quality

Assurance Committee and Education SIG; Chair-Standards Australia Health Informatics Committee (IT 14), Australia

F5 – OLÉ! Navigating Madrid – FREE TUTORIAL

Tuesday, January 17 / 7:00 am – 8:00 am

This session is intended to prepare attendees for the May 2017 Working Group Meeting in Madrid, Spain. It will highlight an overview of Spanish culture, Madrid and the surrounding areas, and various tourist attractions. It will also provide information about the hotel and transportation options as well as discounts that meeting attendees can take advantage of to make their stay in Madrid even more enjoyable.

This session will cover the following topics:

- Hotel location and transportation facilities
- Cultural sites in Madrid such as El Prado museum within Madrid
- World Heritage sites within an hour of Madrid such as El Escorial, Toledo, Segovia, Avila, and Alcala de Henares
- Leisure events during the WGM, such as Champions League and San Isidro Feria
- An introduction to Spanish Gastronomy, including tapas and where to find the best the city has to offer
- Nightlife in Madrid, including the best clubs and pubs to visit
- Ideas for extending your stay in Madrid, including proposed activities

Faculty:

Francisco Perez: Chair, HL7 Spain

F6 – Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs – FREE TUTORIAL

Tuesday, January 17 / 7:00 am – 8:00 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

F7 – How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL

Wednesday, January 18 / 7:00 am – 8:00 am

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

This Tutorial Will Benefit:

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

Upon Completion of This Tutorial, Students Will Understand:

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

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; 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

F8 – GS1 Standards for Supply Chain Meets HL7 – FREE TUTORIAL

Wednesday, January 18 / 7:00 am – 8:00 am

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

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

Documentation

- The reference documentation should be downloaded prior the tutorial from: <http://bit.ly/2dfpmEU>
- It is also useful to have consulted the following documentation:
 - » Information about EPC IS: www.gs1.org/epcis
 - » Information about UNSPSC: www.unspsc.org

This Tutorial Will Benefit:

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

Faculty:

Christian Hay: GS1 Switzerland; Delegate Healthcare

F9 – Newly Elected Co-Chair Training – FREE TUTORIAL

Thursday, January 19 / 7:00 am – 8:00 am

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

Faculty:

Karen Van Hentenryck: HL7 Associate Executive Director

Tutorials at a Glance

Topic	Class ID	Instructor	SUN PM	MON AM	MON PM	TUE AM	TUE PM	WED AM	WED PM	THU AM
Track 1—Version 2.x Core										
Introduction to Version 2, Part 1: Control and ADT	M1	Buitendijk		★						
Introduction to Version 2, Part 2: Orders and Observations	M4	Klein			★					
Track 2—CDA® Core										
★ Driving Health Information Exchange Using XDS with CDA and FHIR	M5	Boone			★					
★ Attachments for Reimbursement, Authorization, and Referrals: Overview for Managers, Architects & Implementers	T7	Day, James, Alschuler				★				
Consolidated CDA 2.1	T8	Marquard				★				
★ Attachments: Technical Introduction for Architects and Implementers	T10	Day, James, Geimer					★			
Introduction to Clinical Document Architecture	W13	Beebe						★		
CDA Template Design in Theory and Practice	W16	Heitmann/Geimer							★	
Track 3—Special Topics										
Standards for Interoperability	M2	Kaminker		★						
★ 2015 US Law MACRA: Role of Standards in QPP and MU3	T11	Datta					★			
How to Implement HL7 Standards for Real-World Success	W14	Snelick						★		
★ Implementing HL7 Standards Based Interoperability in Preparation for MACRA/MIPs and MU Stage 3	W17	Lorenzi/Buitendijk							★	
Track 4—FHIR®										
★ FHIR Connectathon	Sat-Sun	McKenzie/Kramer/Grieve	Sat-Sun							
★ Precision Medicine via FHIR: From Design to Deployment	M3	Alterovitz		★						
★ Introduction to HL7 FHIR	M6	Haas			★					
★ FHIR for Architects	T9	McKenzie				★				
★ FHIR for Specifiers	T12	Rutten					★			
★ Introduction to FHIR Development	W15	Duteau						★		
★ Understanding and Using Terminology in HL7 FHIR	W18	Hausam							★	
★ C-CDA on FHIR	TH19	Geimer								★
Track 5—Information Forums—FREE TUTORIALS										
First-Time Attendees' Orientation	F1/F4	Beebe	3:00-4:00	7:00-8:00						
Understanding the HL7 International Organization – From Process to Governance	F2	Beebe	4:00-5:00							
Tutorial Development Workshop	F3	Grain	5:00-6:00							
OLÉ! Navigating Madrid	F5	Perez				7:00-8:00				
Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs	F6	Grain				7:00-8:00				
How to Design and Deliver an HL7 Tutorial	F7	Grain						7:00-8:00		
GS1 Standards for Supply Chain Meets HL7	F8	Hay						7:00-8:00		
Newly Elected Co-Chair Training	F9	Van Hentenryck								7:00-8:00

AM = 9:00 am - 12:30 pm; PM = 1:45 - 5:00 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			★ Lunch	★	★ Lunch	★	★ Lunch	★				
Application Implementation and Design		★		Q3			Q1					
Architectural Review Board			Q2							Q3		
Arden Syntax					★	★						
Attachments						★	★	★	★	Q3		
Birds of a Feather: Adding Patients and Caregivers to the Flock						5:15–6:15						
Birds of a Feather: Enterprise Architect						5:15–6:15						
Birds of a Feather: HL7 Open Source Tooling Meeting						5:15–6:15						
Birds of a Feather: Pictorial Representation in (Mobile) Health						5:15–6:15						
Board of Directors' Meeting						Lunch & ★						
Child Health							★	★				
Clinical Decision Support							Q2	Q4	Q1	Q3		
Clinical Genomics				★	★	★	★	★				
★ Clinical Information Modeling Initiative	★	★	★	★	Q2	Q3		Q3	★	Q4		
Clinical Interoperability Council					Q1	★	★	★	Q1	★		
Clinical Quality Information			★	★	Q2	★	★		★			
Clinical Statement										Q3		
★ Clinicians on FHIR								Lunch			★	Q3
Co-Chair Information				5:15–7:00					7:00–8:00			
Community Based Collaborative Care				★	Q2	★	Q2	★				
Conformance			Q2	★	★			★				
Education				Lunch & ★					★			
Electronic Health Records			★	★	★	★	★	★	★	★		
Electronic Services and Tools			Q2		Q2				★			
Emergency Care			Q2				★	Q4	Q2			
Facilitators' Roundtable Dinner/Meeting										5:30–8:00		
★ FHIR Connectathon (Note: There is also a meeting scheduled for Saturday, 1/14, 9:00–5:00 pm)	★											
★ FHIR Governance Board				Lunch						Q4		
★ FHIR Infrastructure			★	★		Q3	Q2			5:30–8:00		
★ FHIR Management Group		Lunch & Q4	7:00–8:00									
★ FHIR Update and Coordination Session – HL7 Co-Chairs & Facilitators Only		Q4										
Financial Management			★				★	★				
First-Time Attendees' Orientation		3:00–4:00	7:00–8:00	Lunch								
Foundation Task Force								Q4				
General Session			8:00–8:45		8:00–8:45		8:00–8:45		8:00–8:45		No General Session	
Governance and Operations Committee					Q2							

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm DISCLAIMER: Meeting times are subject to change.

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
HL7 Government Projects Luncheon Roundtable						12:30-1:45						
HL7 Terminology Authority											★	
Health Care Devices			★	★	★	★	★	★	★	★		
Healthcare Standards Integration						Q3						
Imaging Integration					★	★	★	★	★	★		
Implementable Technology Specifications					★	Q3						
Infrastructure & Messaging					★	★						
International Council	★	Lunch & Q3								Lunch & ★		
ISO/TC215-WG2											★	Q3
Learning Health Systems							★					
Mobile Health							★	Q3				
Modeling & Methodology								Q3	Q2	5:30-8:00		
Networking Reception								5:15-7:15				
Nurses Breakfast/Meeting					7:00-8:00							
Orders & Observations			★		★	★	★	Q4	★	Q4	★	
Patient Administration			★	★	★	Q4	★	★	★	★		
Patient Care			★		★	★		Lunch & ★	★	Lunch & ★		
Payer Summit			★	★	★							
Pharmacy			★	★	★	★	★	★	★	★		
Physicians Breakfast/Meeting							7:00-8:00					
Policy Advisory Committee							Q1					
Process Improvement Committee				Q4								
Product Line Architecture Program											8:00-9:00	
Project Services										Q3		
Public Health & Emergency Response			★	★	★	★	★	★	★	★		
Publishing				V2 Q4			V2 ★	V2 Q3				
Regulated Clinical Research Information Management				★	★	★	★	★	★	★		
Security					★	★		★	★			
Services Oriented Architecture				★	★	★	★	★	★			
Standards Governance Board		Q3									★	Q3
Steering Divisions: Domain Experts Foundation & Technology Structure & Semantic Design Technical & Support Services				7:00-8:30								
Structured Documents			★	★	Q1	Q4	★	★	★	★		
Technical Steering Committee Meetings (Note: There is also a meeting scheduled for Saturday, 1/14, 9:00-5:00 pm)		5:15-6:15						Lunch				
Templates			Q1								Q1	
Understanding the HL7 International Organization-From Process to Governance		4:00-5:00										
US Realm Steering Committee										Lunch		
Vocabulary		★	★	★	★	Q3	★	Q4	7:00-8:00 & ★	★ & 5:30-8:00		

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm DISCLAIMER: Meeting times are subject to change.

REGISTRATION HOURS

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

MEALS AND BREAKS

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

GENERAL SESSION ROOM

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

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

Meeting times and locations are subject to change.

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

Meetings

AFFILIATE DUE DILIGENCE COMMITTEE (ADDC)

Wednesday	3:30 – 5:00 pm	MEETING
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ANESTHESIA (GAS)

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

APPLICATION IMPLEMENTATION AND DESIGN (AID)

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

ARCHITECTURAL REVIEW BOARD (ARB)

Sunday	1:45 – 3:00 pm	Joint w/SGB
Monday	11:00 – 12:30 pm	MEETING
Thursday	1:45 – 3:00 pm	MEETING

ARDEN SYNTAX (AS)

Tuesday	9:00 – 5:00 pm	MEETING
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ATTACHMENTS

Tuesday	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 3:00 pm	MEETING

BIOMEDICAL RESEARCH INTEGRATED DOMAIN GROUP (BRIDG)

Monday	11:00 – 12:30 pm	Joint w/EHR, CH, Clin Gen, CIC
	1:45 – 5:00 pm	Joint w/RCRIM
Tuesday	9:00 – 3:00 pm	Joint w/RCRIM
Wednesday	9:00 – 12:30 pm	Joint w/RCRIM
	3:30 – 5:00 pm	Joint w/RCRIM
Thursday	9:00 – 5:00 pm	Joint w/RCRIM

BIRDS OF A FEATHER: ADDING PATIENTS AND CAREGIVERS TO THE FLOCK

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

Tuesday	5:15 – 6:15 pm	MEETING
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BIRDS OF A FEATHER: HL7 OPEN SOURCE TOOLING MEETING

Tuesday	5:15 – 6:15 pm	MEETING
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BIRDS OF A FEATHER: PICTORIAL REPRESENTATION IN (MOBILE) HEALTH

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

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

CHILD HEALTH (CH)

Monday	11:00 – 12:30 pm	Joint w/EHR, BRIDG, Clin Gen, CIC
Wednesday	9:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/PC, FHIR-I, LHS

CLINICAL DECISION SUPPORT (CDS)

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

CLINICAL GENOMICS (Clin Gen)

Monday	11:00 – 12:30 pm	Joint w/EHR, BRIDG, CH, CIC
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FHIR-I
Tuesday – Wednesday	9:00 – 5:00 pm	MEETING

★ CLINICAL INFORMATION MODELING INITIATIVE (CIMI)

Sunday – Monday	9:00 – 5:00 pm	MEETING
Tuesday	9:00 – 10:30 am	Joint w/PC, EC

Meetings

Tuesday (continued)	11:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Luncheon/Meeting – Hosting: FHIR-I
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/PC, EC, FHIR-I, Voc
Wednesday	9:00 – 10:30 am	Joint w/CQI, CDS
	11:00 – 12:30 pm	Joint w/CIC
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Joint w/CDS, CQI
Thursday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/Voc, CGIT
	3:30 – 5:00 pm	MEETING

CLINICAL INTEROPERABILITY COUNCIL (CIC)

Monday	11:00 – 12:30 pm	Joint w/EHR, BRIDG, CH, Clin Gen
Tuesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/EHR
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: CIMI
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Joint w/Education
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: CQI, LHS

CLINICAL QUALITY INFORMATION (CQI)

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

CLINICAL STATEMENT (CS)

Thursday	1:45 – 3:00 pm	Hosting: O&O
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★ CLINICIANS ON FHIR

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

CO-CHAIR INFORMATION

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

COMMUNITY BASED COLLABORATIVE CARE (CBCC)

Monday	1:45 – 5:00 pm	Hosting: Sec
Tuesday	11:00 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: FHIR-I

Wednesday	9:00 – 10:30 am	Joint w/EHR, FHIR-I, Sec
	11:00 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/Sec, FHIR-I

CONFORMANCE (CGIT)

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

DICOM WG-20

Tuesday	9:00 – 3:00 pm	Joint w/II
Wednesday	9:00 – 3:00 pm	Joint w/II
	3:30 – 5:00 pm	Joint w/II, FHIR-I
Thursday	9:00 – 5:00 pm	Joint w/II
Friday	9:00 – 3:00 pm	Joint w/ISO/TC215-WG2

EDUCATION

Monday	12:30 – 1:30 pm	Education Facilitators' Roundtable Luncheon/Meeting
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: CIC

ELECTRONIC HEALTH RECORDS (EHR)

Monday	9:00 – 10:30 am	MEETING
	11:00 – 12:30 pm	Hosting: BRIDG, CH, Clin Gen, CIC
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: MH
Tuesday	9:00 – 10:30 am	Hosting: MH
	11:00 – 12:30 pm	Hosting: CIC
	1:45 – 5:00 pm	MEETING
Wednesday	9:00 – 10:30 am	Hosting: CBCC, FHIR-I, Sec
	11:00 – 12:30 pm	MEETING
	1:45 – 5:00 pm	MEETING
Thursday	9:00 – 5:00 pm	MEETING

ELECTRONIC SERVICES AND TOOLS (EST)

Monday	11:00 – 12:30 pm	MEETING
Tuesday	11:00 – 12:30 pm	MEETING
Thursday	9:00 – 12:30 pm	MEETING
Friday	9:00 – 10:30 am	Joint w/Templates

EMERGENCY CARE (EC)

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

Thursday 9:00 – 10:30 am Joint w/PA
11:00 – 12:30 pm MEETING

FACILITATORS' ROUNDTABLE DINNER/MEETING

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

★ FHIR CONNECTATHON

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

★ FHIR GOVERNANCE BOARD (FGB)

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

★ FHIR INFRASTRUCTURE (FHIR-I)

Sunday 1:45 – 5:00 pm Joint w/AID
Monday 9:00 – 12:30 pm MEETING
1:45 – 5:00 pm Hosting: CDS, FM, II, InM, MnM, O&O, PC
3:30 – 5:00 pm Joint w/Clin Gen
3:30 – 5:00 pm Joint w/PHER
Tuesday 9:00 – 10:30 am Joint w/ITS
9:00 – 10:30 am Joint w/PA
9:00 – 10:30 am Joint w/SOA
11:00 – 12:30 pm Joint w/InM
11:00 – 12:30 pm Joint w/PC
11:00 – 12:30 pm Joint w/Pharm
12:30 – 1:30 pm Luncheon/Meeting – Joint with CIMI
1:45 – 3:00 pm MEETING
1:45 – 3:00 pm Joint w/HSI, CDS
1:45 – 3:00 pm Joint w/Voc
3:30 – 5:00 pm Joint w/CBCC
3:30 – 5:00 pm Joint w/PC, CIMI, EC, Voc
3:30 – 5:00 pm Joint w/InM, ITS
3:30 – 5:00 pm Joint w/SD
Wednesday 9:00 – 10:30 am MEETING
9:00 – 10:30 am Joint w/Voc, MnM
9:00 – 10:30 am Joint w/EHR, CBCC, Sec
11:00 – 12:30 pm MEETING
1:45 – 3:00 pm Joint w/CGIT, Templates
1:45 – 3:00 pm Joint w/MnM
1:45 – 3:00 pm Joint w/PC, CDS, CQI, O&O, RCRIM
1:45 – 3:00 pm Joint w/Sec
3:30 – 5:00 pm Joint w/FM
3:30 – 5:00 pm Joint w/II, DICOM WG-20
3:30 – 5:00 pm Joint w/PC
Thursday 9:00 – 10:30 am Joint w/Dev
9:00 – 10:30 am Joint w/PC, CH, LHS
9:00 – 10:30 am Joint w/CBCC, Sec
11:00 – 12:30 pm Joint w/CQI, CDS
11:00 – 12:30 pm Joint w/MnM
11:00 – 12:30 pm Joint w/O&O
1:45 – 3:00 pm Joint w/CDS, CQI

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

★ FHIR MANAGEMENT GROUP (FMG)

Sunday 12:30 – 1:30 pm Luncheon/Meeting – Hosting: FGB
3:30 – 5:00 pm Hosting: FHIR Update and Coordination
Session – HL7 Co-Chairs & Facilitators ONLY
Monday 7:00 – 8:00 am MEETING
Thursday 3:30 – 5:00 pm Joint w/FGB

★ FHIR UPDATE AND COORDINATION SESSION – HL7 CO-CHAIRS & FACILITATORS ONLY

Sunday 3:30 – 5:00 pm Session

FINANCIAL MANAGEMENT (FM)

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

FIRST-TIME ATTENDEES' MEETINGS

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

FOUNDATION TASK FORCE

Wednesday 3:30 – 5:00 pm MEETING

GOVERNANCE AND OPERATIONS COMMITTEE (GOC)

Tuesday 11:00 – 12:30 pm MEETING

HL7 GOVERNMENT PROJECTS LUNCHEON ROUNDTABLE

Tuesday 12:30 – 1:45 pm MEETING

HL7 TERMINOLOGY AUTHORITY (HTA)

Friday 9:00 – 12:30 pm MEETING

HEALTH CARE DEVICES (Dev)

Monday – Tuesday 9:00 – 5:00 pm MEETING
Wednesday 9:00 – 3:00 pm MEETING
3:30 – 5:00 pm Hosting: MH
Thursday 9:00 – 10:30 am Hosting: FHIR-I
11:00 – 5:00 pm MEETING

HEALTHCARE STANDARDS INTEGRATION (HSI)

Tuesday 1:45 – 3:00 pm Hosting: CDS, FHIR-I
Thursday 3:30 – 5:00 pm Joint w/PC

IMAGING INTEGRATION (II)

Monday 1:45 – 5:00 pm Joint w/FHIR-I, CDS, FM, InM, MnM, O&O, PC
Tuesday 9:00 – 3:00 pm Hosting: DICOM WG-20
3:30 – 5:00 pm MEETING
Wednesday 9:00 – 3:00 pm Hosting: DICOM WG-20
3:30 – 5:00 pm Hosting: FHIR-I, DICOM WG-20
Thursday 9:00 – 5:00 pm Hosting: DICOM WG-20

IMPLEMENTABLE TECHNOLOGY SPECIFICATIONS (ITS)

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

INFRASTRUCTURE & MESSAGING (InM)

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

INTERNATIONAL COUNCIL MEETING

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

ISO/TC215-WG2

Friday	9:00 – 3:00 pm	Hosting: DICOM WG-20
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LEARNING HEALTH SYSTEMS (LHS)

Wednesday	9:00 – 12:30 pm	MEETING
Thursday	9:00 – 10:30 am	Joint w/PC, CH, FHIR-I
	3:30 – 5:00 pm	Joint w/CIC, CQI

MOBILE HEALTH (MH)

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

MODELING & METHODOLOGY (MnM)

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

NETWORKING RECEPTION

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

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

Monday	9:00 – 12:30 pm	MEETING
	1:45 – 5:00 pm	Joint w/FHIR-I, CDS, FM, IL, InM, MnM, PC
Tuesday	9:00 – 5:00 pm	MEETING
Wednesday	9:00 – 12:30 pm	MEETING
	1:45 – 3:00 pm	Joint w/PC, CDS, CQI, FHIR-I
	3:30 – 5:00 pm	MEETING

Thursday	9:00 – 10:30 am	Hosting: CDS, PC, Templates
	11:00 – 12:30 pm	Hosting: FHIR-I
	1:45 – 3:00 pm	Joint w/CS
	3:30 – 5:00 pm	MEETING
Friday	9:00 – 12:30 pm	MEETING

PATIENT ADMINISTRATION (PA)

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

PATIENT CARE (PC)

Monday	9:00 – 12:30 pm	MEETING
	1:45 – 5:00 pm	Joint w/FHIR-I, CDS, FM, IL, InM, MnM, O&O
Tuesday	9:00 – 10:30 am	Hosting: CIMI, EC
	11:00 – 12:30 pm	Hosting: FHIR-I
	1:45 – 3:00 pm	MEETING
	3:30 – 5:00 pm	Hosting: CIMI, EC, FHIR-I, Voc
Wednesday	12:30 – 1:30 pm	Luncheon/Meeting
	1:45 – 3:00 pm	Hosting: CDS, CQI, FHIR-I, O&O, RCRIM
	3:30 – 5:00 pm	Hosting: FHIR-I
Thursday	9:00 – 10:30 am	Hosting: CH, FHIR-I, LHS
	11:00 – 12:30 pm	MEETING
	12:30 – 1:30 pm	Luncheon/Meeting
	1:45 – 3:00 pm	Hosting: FHIR-I
	3:30 – 5:00 pm	Hosting: HSI

PHARMACY (Pharm)

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

PHYSICIANS BREAKFAST/MEETING

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

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

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

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

Thursday 1:45 – 3:00 pm MEETING

PUBLIC HEALTH & EMERGENCY RESPONSE (PHER)

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

Tuesday – Thursday 9:00 – 5:00 pm MEETING

PUBLISHING

Monday 3:30 – 5:00 pm V2 Publishing – MEETING
Wednesday 9:00 – 12:30 pm V2 Publishing – MEETING
1:45 – 3:00 pm V2 Publishing – Hosting: Voc

REGULATED CLINICAL RESEARCH INFORMATION MANAGEMENT (RCRIM)

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

SECURITY (Sec)

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

SERVICES ORIENTED ARCHITECTURE (SOA)

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

STANDARDS GOVERNANCE BOARD (SGB)

Sunday 1:45 – 3:00 pm Hosting: ARB
Friday 9:00 – 3:00 pm MEETING

STEERING DIVISIONS

Monday 7:00 – 8:30 pm Domain Experts
Foundation & Technology
Structure & Semantic Design
Technical & Support Services

STRUCTURED DOCUMENTS (SD)

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

TECHNICAL STEERING COMMITTEE (TSC) MEETINGS

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

TEMPLATES

Monday 9:00 – 10:30 am MEETING
Tuesday 11:00 – 12:30 pm Joint w/CGIT
Wednesday 1:45 – 3:00 pm Joint w/CGIT, FHIR-I
Thursday 9:00 – 10:30 am Joint w/O&O
Friday 9:00 – 10:30 am Hosting: EST

UNDERSTANDING THE HL7 INTERNATIONAL ORGANIZATION-FROM PROCESS TO GOVERNANCE

Sunday 4:00 – 5:00 pm ORIENTATION/INTRODUCTION

US REALM STEERING COMMITTEE

Thursday 12:30 – 1:30 pm Luncheon/Meeting

VOCABULARY (Voc)

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

Meeting times and locations are subject to change.

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

“EARLY BIRD” RATE DEADLINE

Advance meeting registration, including payment, is required by December 23, 2016 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 28-30) for a schedule of meeting fees.

TO REGISTER

Please complete the registration forms on pages 28-30 and mail it (along with a check payable to Health Level Seven International in U.S. funds ONLY) to:

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

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

Online registration is also available via our website (www.HL7.org). 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 January 2nd, 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 30 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

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

HOTEL INFORMATION

HL7 January 2017 Working Group Meeting will be held at:

HYATT REGENCY SAN ANTONIO ON THE RIVERWALK

23 Losoya Street, San Antonio, TX 78205

+1 (210) 222-1234 phone

+1 (210) 227-4925 fax

To reserve your room, the hotel has set up a special website registration process just for HL7 attendees. HL7 attendees should log on to <https://resweb.passkey.com/go/HealthLevelSeven2017> and follow the reservation instructions.

You can call reservations directly at +1 888-421-1442. Be sure to mention Health Level Seven International to receive the discounted room rate of \$199 per night single or double occupancy. These rates will be offered three days prior and three days after the meeting dates, subject to availability of rooms at the time of reservation. Remember, there are a limited number of rooms available at the discounted rate, so reserve your room early. The hotel cut-off date is December 23, 2016. Room rates are subject to all applicable state and local taxes in effect at time of check in. If you need to cancel your room reservation, please do so 72 hours (three days) prior to your arrival date, and obtain a cancellation number. If you cancel within the three days, you will be charged one night reservation fee.

For those making a reservation under the government rate of \$121 per night, log on to the same website and

click Government under Room Type. There are also a limited number of government rooms available at the discounted rate so reserve your room early!

GROUND TRANSPORTATION

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

TAXI

From the airport is approximately \$25 one-way per car (does not include tip). Seating and luggage: 6 passengers; amount of luggage depends on size of bags. Pick up is on the lower level of the airport.

AIRPORT SHUTTLE TRANSPORTATION

- Yellow/Checker Cab: Phone: +1 (210) 222-2222
- Concord Cab: Phone: +1 (210) 444-2222
- AAA Express: Phone: +1 (210) 444-2222
- SA Trans Shuttles: Phone: +1 (210) 281-9900

PARKING

The Hyatt Regency San Antonio offers self-parking as well as valet parking for hotel guests in the Central Parking Garage located across the street from the main hotel entrance. Valet parking is available at the hotels front entrance. The garage features 300 hotel parking spaces, including (10) handicapped parking zones and has 6'9" clearance.

PLEASE BOOK YOUR ROOM AT THE HL7 MEETING HOTEL

HL7 urges all meeting attendees to secure their resort reservation at the HL7 Working Group Meeting Host Resort. This resort 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 resort, HL7 risks falling short on its obligation, which translates in HL7 paying additional costs (penalties) to the resort. 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 resort room at our host resort. Thank you!



Meeting Registration Form

1. Contact Information

End of day on December 23, 2016 is the deadline for Early Bird fees. All advance registrations must be received by end of day on January 2, 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"/> Payer Summit 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

- ☐ 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 prior to registration. Venue constraints may limit HL7's ability to meet special requests. **Lunch is provided on Saturday but WILL NOT be provided on Sunday for the FHIR Connectathon. Attendees must register for Sunday to receive a lunch ticket.**

- ☐ I plan to attend the **HL7 Payer Summit** (Monday & Tuesday)—**for payers only**.
Please register below.

- ☐ 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 7 for details.

- ☐ I plan to attend the **HL7 Government Projects Luncheon Roundtable** (Tuesday).
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		Amount Due
	Before 12/23	After 12/23	Before 12/23	After 12/23	
Sunday – Friday Option: Please register me for the entire week. Please note that the Sunday-Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$920	<input type="checkbox"/> \$1,195	<input type="checkbox"/> \$1,305	<input type="checkbox"/> \$1,720	\$ _____
Monday – Friday Option: Please register me for the entire week. Please note that the Monday-Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$770	<input type="checkbox"/> \$1,045	<input type="checkbox"/> \$1,155	<input type="checkbox"/> \$1,570	\$ _____
Per Day Fees: Please note tutorials are an additional fee on top of the daily fees. Additionally, tutorials that are listed as free still require registration for the daily meeting fees. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$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:					\$ _____

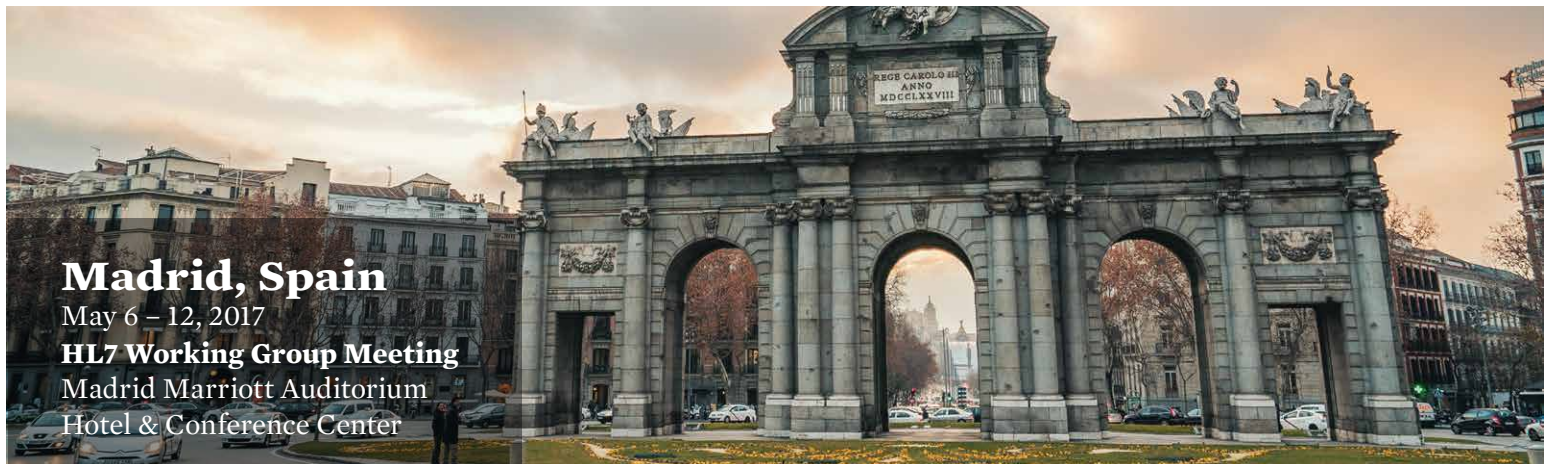
	Members		Non-Members		Amount Due
FHIR Connectathon: Please note: No partial registrations for the FHIR Connectathon will be accepted. The registration fee covers all day Saturday and Sunday morning. Lunch will be provided on Saturday but not on Sunday.	<input type="checkbox"/> Participant: \$295	<input type="checkbox"/> Observer: \$395	<input type="checkbox"/> Participant: \$395	<input type="checkbox"/> Observer: \$495	
HL7 Payer Summit Only: If you are already registering for Monday and Tuesday at the meeting, do not choose this option; the fee to attend this function is already included in that price.	<input type="checkbox"/> \$300		<input type="checkbox"/> \$350		\$ _____
Clinicians on FHIR: See page 7 for details.	<input type="checkbox"/> No Fee		<input type="checkbox"/> No Fee		\$ _____

Deadline for Discounted Rates: Payment must be received by December 23, 2016 to qualify for the “Early Bird” rate. The full fee structure applies to all other registrations where payment is received after this date.

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

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

Upcoming Working Group Meetings



Madrid, Spain

May 6 – 12, 2017

HL7 Working Group Meeting

Madrid Marriott Auditorium

Hotel & Conference Center



San Diego, CA

September 9 – 15, 2017

**31st 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



Baltimore, MD

September 29 – October 5, 2018

**32nd Annual Plenary &
Working Group Meeting**

Hyatt Regency Baltimore
Inner Harbor



San Antonio, TX

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

For history buffs, San Antonio is a mecca. Native Americans first lived along the San Antonio River. A band of Spanish explorers and missionaries came upon the river in 1691, and because it was the feast day of St. Anthony, they named the river “San Antonio.” The actual founding of the city came in 1718 by Father Antonio Olivares, when he established Mission San Antonio de Valero. Known as the Alamo, it became permanently etched in the annals of history in 1836 when 189 defenders held the old mission against some 4,000 Mexican troops for 13 days. The cry “Remember the Alamo” became the rallying point of the Texan revolution against Mexico. Located in the heart of downtown, today the Alamo is a shrine and museum.

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

A verdant oasis of cypress-lined paths, arched stone bridges, and lush landscapes, the River Walk winds its way through the middle of the business district. The River Walk has multiple personalities – quiet and park-like in some stretches, while other areas are full of activity with European-style sidewalk cafes, specialty boutiques, nightclubs and gleaming high-rise hotels.

Experience San Antonio's fiesta spirit, and see all that it has to offer. With so much to do, you'll never want to go home.

*Copy and photos courtesy of the
San Antonio Conventions & Visitors Bureau.*

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