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

Health Level Seven® International
Unlocking the Power of Health Information

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Upcoming Co-Chair Elections

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

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Thank You to Our Sponsors

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  ISO/TC215-WG2 Meeting
- 12:30 – 1:30pm  HL7 Terminology Authority (HTA)
- 1:45 – 5:00pm  C-CDA on FHIR Luncheon/Meeting
- 3:00 – 3:30pm  Afternoon Break
- 4:00 – 5:00pm  Consolidated CDA 2.1

#### Monday, January 16
- 7:00 – 8:00am  First-Time Attendees’ Orientation – FREE TUTORIAL
- 7:00 – 8:00am  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  Standards for Interoperability
- 9:00 – 12:30pm  Introduction to Version 2, Part 1: Control and ADT
- 9:00 – 12:30pm  Introduction to Version 2, Part 2: Orders and Observations
- 1:45 – 5:00pm  Introduction to HL7 FHIR
- 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
- 5:00 – 6:00pm  TSC Meeting
- 5:15 – 7:15pm  Networking Reception

#### 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  Consolidated CDA 2.1
- 7:00 – 5:00pm  Working Group Meetings
- 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  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 MU Stage 3
- 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  GS1 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  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
- 5:30 – 7:30pm  Networking Reception

#### Thursday, January 19
- 7:00 – 8:00am  Newly Elected Co-Chair Training – FREE TUTORIAL
- 7:00 – 8:00am  Continental Breakfast
- 7:30 – 8:30am  Registration
- 8:00 – 8:45am  General Session – Announcements
- 9:00 – 12:30pm  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 – 1:30pm  Affiliate Chair or Designated Rep Luncheon/Meeting
- 1:45 – 5:00pm  Understanding the HL7 International Organization – FREE TUTORIAL
- 1:45 – 5:00pm  From Process to Governance – FREE TUTORIAL
- 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 – 130pm  Box Lunch

**Note:** Tutorials appear in bold

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

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

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**Government Projects Roundtable**

**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.
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.

Education Tracks

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

Track 5 – Information Forums *FREE*
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.

What is a Working Group Meeting?
HL7 International working group meetings (WGMs) are held three times per year at varying locations. These WGMs serve two important purposes:

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

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®

These tracks are only suggested course groupings. Feel free to choose whatever courses you feel are right for you from among the five tracks.
Tutorials

**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

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

**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:**
*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

**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

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**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-CDA in the field to improve healthcare interoperability.

This Tutorial Will Benefit:
• 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®)
**Tutorials**

**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

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**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

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**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.

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**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

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**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)

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 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

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


### Tutorials

**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.

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**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:**

- 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

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

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| ★ 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 | | | | | | | | | | ★

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| 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 | | | | | | | | | ★

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| ★ FHIR Connectathon | | | McKenzie/Kramer/Grieve | | | | | | | | | ★
| ★ 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 | W19 | Buitendijk | | | | | | | | | ★

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AM = 9:00 am - 12:30 pm; PM = 1:45 - 5:00 pm
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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.
## Meetings at a Glance

### Meetings Only—No Joint Sessions Listed

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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
### Meetings

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<th>Day</th>
<th>Time</th>
<th>Event</th>
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<td>12:30 – 1:30 pm</td>
<td>Luncheon/Meeting – Hosting: FHIR-I</td>
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<td>Wednesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/COI, CDS</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Joint w/CIC</td>
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<td></td>
<td>1:45 – 3:00 pm</td>
<td>MEETING</td>
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<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Joint w/CDS, COI</td>
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<tr>
<td>Thursday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
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<td></td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/Voc, CGIT</td>
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<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>MEETING</td>
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</tbody>
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**CLINICAL INTEROPERABILITY COUNCIL (CIC)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday</td>
<td>11:00 – 12:30 pm</td>
<td>Joint w/EHR, BRIDG, CH, Clin Gen</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Joint w/EHR</td>
</tr>
<tr>
<td></td>
<td>1:45 – 5:00 pm</td>
<td>MEETING</td>
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<tr>
<td>Wednesday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: CIMI</td>
</tr>
<tr>
<td></td>
<td>1:45 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Joint w/Education</td>
</tr>
<tr>
<td></td>
<td>1:45 – 3:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Hosting: COI, LHS</td>
</tr>
</tbody>
</table>

**CLINICAL QUALITY INFORMATION (CQI)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>9:00 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/SD</td>
</tr>
<tr>
<td></td>
<td>11:00 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 – 10:30 am</td>
<td>Hosting: CDS, CIMI</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/PC, CDS, FHIR-I, O&amp;O, RCRIM</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Joint w/CDS, CIMI</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: CDS, FHIR-I</td>
</tr>
<tr>
<td></td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/CDS, FHIR-I</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Joint w/CIC, LHS</td>
</tr>
</tbody>
</table>

**CLINICAL STATEMENT (CS)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: O&amp;O</td>
</tr>
</tbody>
</table>

**CLINICIANS ON FHIR**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>12:30 – 1:30 pm</td>
<td>Luncheon/Meeting</td>
</tr>
<tr>
<td>Friday</td>
<td>9:00 – 3:00 pm</td>
<td>MEETING</td>
</tr>
</tbody>
</table>

**CO-CHAIR INFORMATION**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Monday</td>
<td>5:15 – 7:00 pm</td>
<td>Co-Chairs Dinner/Meeting</td>
</tr>
<tr>
<td></td>
<td>(Open Meeting, however open for dinner ONLY to Co-Chairs.)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Co-Chairs MUST register if you wish to attend the dinner/meeting)</td>
<td></td>
</tr>
<tr>
<td>Thursday</td>
<td>7:00 – 8:00 am</td>
<td>Newly Elected Co-Chair Training</td>
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</tbody>
</table>

**COMMUNITY BASED COLLABORATIVE CARE (CBCC)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Monday</td>
<td>1:45 – 5:00 pm</td>
<td>Hosting: Sec</td>
</tr>
<tr>
<td>Tuesday</td>
<td>11:00 – 3:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Hosting: FHIR-I</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/EHR, FHIR-I, Sec</td>
</tr>
<tr>
<td></td>
<td>11:00 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 10:30 pm</td>
<td>Joint w/FHIR-I</td>
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</tbody>
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**CONFORMANCE (CGIT)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>Monday</td>
<td>9:00 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: Templates</td>
</tr>
<tr>
<td></td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/InM</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Joint w/InM, FHIR-I</td>
</tr>
<tr>
<td>Wednesday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: FHIR-I, Templates</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/Voc, InM</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Joint w/Voc</td>
</tr>
<tr>
<td></td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/Voc, CIMI</td>
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</table>

**DICOM WG-20**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Tuesday</td>
<td>9:00 – 3:00 pm</td>
<td>Joint w/II</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 – 3:00 pm</td>
<td>Joint w/II, FHIR-I</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 5:00 pm</td>
<td>Joint w/II</td>
</tr>
<tr>
<td>Friday</td>
<td>9:00 – 3:00 pm</td>
<td>Joint w/ISO/TC215-WG2</td>
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**EDUCATION**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday</td>
<td>12:30 – 1:30 pm</td>
<td>Education Facilitators’ Roundtable Luncheon/Meeting</td>
</tr>
<tr>
<td></td>
<td>1:45 – 5:00 pm</td>
<td>MEETING</td>
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<tr>
<td>Thursday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: CIC</td>
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</table>

**ELECTRONIC HEALTH RECORDS (EHR)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: BRIDG, CH, Clin Gen, CIMI</td>
</tr>
<tr>
<td></td>
<td>1:45 – 3:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td></td>
<td>3:30 – 5:00 pm</td>
<td>Hosting: MH</td>
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<tr>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Hosting: MH</td>
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<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: CIMI</td>
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<tr>
<td></td>
<td>1:45 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Wednesday</td>
<td>9:00 – 10:30 am</td>
<td>Hosting: CBCC, FHIR-I, O&amp;O, RCRIM</td>
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<tr>
<td></td>
<td>11:00 – 12:30 pm</td>
<td>MEETING</td>
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<tr>
<td></td>
<td>1:45 – 5:00 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Thursday</td>
<td>9:00 – 5:00 pm</td>
<td>MEETING</td>
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**ELECTRONIC SERVICES AND TOOLS (EST)**

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>Monday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
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<td>Tuesday</td>
<td>9:00 – 12:30 pm</td>
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<td>Thursday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Friday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/Templates</td>
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**EMERGENCY CARE (EC)**

<table>
<thead>
<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Monday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
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<tr>
<td>Tuesday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
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<tr>
<td>Thursday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
</tr>
<tr>
<td>Friday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/Templates</td>
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**EMERGENCY CARE (EC)**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Monday</td>
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<td>MEETING</td>
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<tr>
<td>Tuesday</td>
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<td>MEETING</td>
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<td>Thursday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
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<tr>
<td>Friday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/Templates</td>
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</tbody>
</table>
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/HTA
9:00 – 10:30 am Joint w/PA
9:00 – 10:30 am Joint w/SD
11:00 – 12:30 pm Joint w/MnM
11:00 – 12:30 pm Joint w/PC
11:00 – 12:30 pm Joint w/Pharm
12:30 – 1:30 pm Luncheon/Meeting – Joint w/CIMI
1:45 – 3:00 pm MEETING
1:45 – 3:00 pm Joint w/HSI, CDS
1:45 – 3:00 pm Joint w/Sec
3:30 – 5:00 pm Joint w/CBCC
3:30 – 5:00 pm Joint w/PC, CPM, CIMI, EC, Voc
3:30 – 5:00 pm Joint w/InM, ITS
3:30 – 5:00 pm Joint w/SD

**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

**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

**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

**HEALTHCARE STANDARDS INTEGRATION (HSI)**
Tuesday 1:45 – 3:00 pm Hosting: CDS, FHIR-I
Thursday 3:30 – 5:00 pm Joint w/PC

**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

**MEETINGS**
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
# Meetings

## 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, II, 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

## 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, II, InM, O&O, PC  
- **Wednesday** 9:00 – 10:30 am Joint w/Voc, FHIR-I  
  11:00 – 12:30 pm Joint w/Voc  
  1:45 – 3:00 pm 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** 5:30 – 7:15 pm RECEPTION

## Nurses Breakfast/Meeting
- **Tuesday** 7:00 – 8:00 am MEETING

## Orders & Observations (O&O)
- **Monday** 9:00 – 12:30 pm MEETING  
  1:45 – 5:00 pm Joint w/FHIR-I, CDS, FM, II, 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

## 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/CS  
  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, II, InM, MnM, O&O  
- **Tuesday** 9:00 – 10:30 am Hosting: O&O  
  11:00 – 12:30 pm Hosting: FHIR-I  
  1:45 – 3:00 pm MEETING  
  3:30 – 5:00 pm Hosting: CMI, EC, FHIR-I, Voc  
- **Wednesday** 12:30 – 1:30 pm Luncheon/Meeting  
  1:45 – 3:00 pm Hosting: CMI, EC, 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

## Policy Advisory Committee (PAC)
- **Wednesday** 9:00 – 10:30 am MEETING

## Process Improvement Committee (PIC)
- **Monday** 3:30 – 5:00 pm MEETING

## Product Line Architecture Program
- **Friday** 8:00 – 9:00 am MEETING
***Meetings***

**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/SDA  
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

**STRUCUTRED 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 – 5:00 pm  MEETING  
Tuesday  9:00 – 10:30 am  Hosting:  CQI  
11:00 – 12:30 pm  Joint w/CGIT  
Wednesday  9:00 – 5:00 pm  MEETING  
Thursday  9:00 – 10:30 am  Joint w/CGIT, FHIR-I  
11:00 – 12:30 pm  Hosting:  SD  
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!
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:

- Affiliate Chair
- Facilitator — MnM
- Facilitator — Publishing
- Facilitator — Vocabulary
- Facilitator — Steering Division
- First-Time WGM Attendee
- HL7 Board Member
- HL7 Fellow
- HL7 Work Group Co-Chair
- Past Board Chair
- Payer Summit Speaker
- Student
- Tutorial Speaker
- Volunteer of the Year Award Recipient

Primary employment type:

- Academia
- Consultant
- Government
- Healthcare Professional
- Payer
- Pharmacy
- Provider
- Vendor
- 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, GSI, HIMSS, HIMSS Europe, ICH, IEEE, IHE, IHTSDO, IRISS, LOINC, NCPDP, OASIS, OMG, Sequoia Project, WEDI) and eligible for the member rate.

Please list affiliate or organization: ________________________________________________________________

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

University attending: ___________________________ Student # __________________

Meal Requirements:

- Diabetic
- Regular
- Vegetarian
- Other: ___________________________
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.

<table>
<thead>
<tr>
<th></th>
<th>Members Before 12/23</th>
<th>Members After 12/23</th>
<th>Non-Members Before 12/23</th>
<th>Non-Members After 12/23</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sunday – Friday Option:</strong></td>
<td>$920</td>
<td>$1,195</td>
<td>$1,305</td>
<td>$1,720</td>
<td>$ __________</td>
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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.

|                     | Monday – Friday Option: | $770 | $1,045 | $1,155 | $1,570 | $ __________ |

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.

|                     | Per Day Fees: | $220/day | $290/day | $330/day | $435/day | $ __________ |

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.

**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.

**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.

**Clinicians on FHIR:**

See page 7 for details.

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**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.
## Meeting Registration Form

### Tutorial Fees:

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

### SUNDAY

- **Track 5—Information Forums:** First-Time Attendees’ Orientation — FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)
- **Track 5—Information Forums:** Understanding the HL7 International Organization — From Process to Governance — FREE TUTORIAL (F2) — Must sign up to attend this tutorial (Please check the box.)
- **Track 5—Information Forums:** Tutorial Development Workshop — FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)

### MONDAY

**Morning Sessions**

- **Track 5—Information Forums:** First Time Attendees’ Orientation — FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)
- **Track 5—Information Forums:** Introduction to Version 2, Part 1: Control and ADT (M1)
- **Track 5—Information Forums:** Standards for Interoperability (M2)
- **Track 5—Information Forums:** Precision Medicine via FHIR: From Design to Deployment (M3)

**Tutorial Fees:**

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

### TUESDAY

**Morning Sessions**

- **Track 5—Information Forums:** OLÉ! Navigating Madrid — FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)
- **Track 5—Information Forums:** Glossary Management — FREE TUTORIAL (F6) — Must sign up to attend this tutorial (Please check the box.)
- **Track 2—CDA Core:** Consolidated CDA 2.1 (T8)
- **Track 4—FHIR:** Introduction to HL7 FHIR (M6)

**Tutorial Fees:**

### WEDNESDAY

**Morning Sessions**

- **Track 5—Information Forums:** How to Design and Deliver an HL7 Tutorial — FREE TUTORIAL (F7) — Must sign up to attend this tutorial (Please check the box.)
- **Track 2—CDA Core:** Introduction to Clinical Document Architecture (W15)
- **Track 3—Special Topics:** How to Implement HL7 Standards for Real-World Success (W14)
- **Track 4—FHIR:** Introduction to FHIR Development (W15)

**Tutorial Fees:**

### THURSDAY

**Morning Sessions**

- **Track 5—Information Forums:** Newly Elected Co-Chair Training — FREE TUTORIAL (F8) — Must sign up to attend this tutorial (Please check the box.)
- **Track 4—FHIR:** C-CDA on FHIR (TH8)

**Tutorial Fees:**

### 4. Payment Information:

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

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<tr>
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</tbody>
</table>

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

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**Total Amount Due $__________**
Upcoming Working Group Meetings

Madrid, Spain
May 6 – 12, 2017
HL7 Working Group Meeting
Madrid Marriott Auditorium
Hotel & Conference Center

New Orleans, LA
January 27 – February 2, 2018
Working Group Meeting
Hilton New Orleans Riverside

San Diego, CA
September 9 – 15, 2017
31st Annual Plenary &
Working Group Meeting
Hyatt Regency La Jolla
at Aventine

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.