January
Working Group Meeting
POINTE HILTON SQUAW PEAK RESORT
PHOENIX, ARIZONA • JANUARY 13–18, 2013

REGISTER TODAY!
Resort Cutoff—December 13, 2012
Early Bird Registration Cutoff—December 14, 2012
Online Registration Cutoff—December 21, 2012

Now offering CME Credits!
sponsored through the American College of Physicians.
See page 3 for details.

NEW INITIATIVE
Look inside for this icon to discover the latest initiatives from HL7 International, such as:
• Implementing HL7 Standards for Meaningful Use Stage 2
• FHIR
• Consolidated CDA*
• HL7 Tutorial for Nurses
• Mobile Health Activities

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Hi, everyone! Thanks to all of you who are able to go to Phoenix for the January WGM. As I begin the second year of my term, I look back at my first year with pride at the things this organization has accomplished. I would like to take this opportunity to thank everyone who has worked so hard in helping HL7 truly operate as an international organization.

Relevant Change and Growth

In January 2012, I stated that relevance, change, growth, and unity are our top priorities and principles. And in 2012, we did a lot in each of those areas.

The most obvious accomplishment was announcing our intention to make licensed HL7 standards and selected intellectual property available at no cost. We’ve gotten a lot of positive feedback from the industry on this move. Making such IP freely available can increase the use of our standards and our visibility, and therefore, our relevance.

We’ve increased our relevance to stakeholders through our caregiver initiative and launching new work groups, such as Mobile Health and Quality. We’re working to become more efficient in developing high quality standards through the FHIR initiative.

For 2013, I’d like to add another principle: an increase in our customer focus and customer satisfaction. Increasing our focus in those areas means that a lot of action needs to take place over the next year—tools for implementers so that they can embed HL7 standards into their software products; implementers increasing their attendance at WGMs so that we can more efficiently build standards that immediately suit their needs; non-technical healthcare professionals also increasing their attendance at WGMs so that we can gather clinical and business requirements when they’re at the WGM and then use that as an opportunity to help them better understand the benefits of standards, and more!

2013 will be another exciting year for HL7. Thanks to all of you who are uniting behind these efforts. We still have a long way to go, but we are making terrific strides to get there.

For those of you who are not able to make the Phoenix meeting, we hope to see you at the May WGM in Atlanta.

Donald J. Mon
Chair of the Board, 2012-2013, Health Level Seven® International
WHAT IS A WORKING GROUP MEETING?

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

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

Standards Development

More than 40 HL7 work groups are dedicated to specialized areas of interest such as Orders and Observations 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 20-23 for a complete schedule of meeting times throughout the week.

Educational Sessions

Numerous educational opportunities will be offered at this WGM. Sessions will cover a full range of HL7-specific topics such as Version 2.x Implementation, Version 3, and the Clinical Document Architecture (CDA*), among others. Educational sessions also include industry topics such as Meaningful Use in the US, Electronic Health Records, and Vocabulary Terminology. For a full listing of course descriptions, please see pages 6-16.

CME CREDIT SPONSORED THROUGH THE AMERICAN COLLEGE OF PHYSICIANS

Many of the tutorials offered at the January Working Group Meeting qualify for continuing medical education for physicians. This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the American College of Physicians and Health Level Seven* International.

The American College of Physicians is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

The American College of Physicians designates this live activity for a maximum of 23 AMA PRA Category 1 Credit(s)*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

EDUCATION TRACKS

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

Track 1 – Version 2 Core

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

Track 2 – Version 3 CDA* Core

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

Track 3 – HL7 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 medical logic (Arden Syntax). 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 – Meaningful Use

This track provides tutorials on the HL7 standards selected for meaningful use. It provides overviews of the selected standards, and strategies to assist implementers in conforming to the selected standards. Included in this track are tutorials on the HL7 Consolidated CDA Specification, Laboratory Reporting Interface, and Immunizations, as well as a free session providing an overview of standards selected for meaningful use.

Track 5 – Information Forums *FREE*

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

These tracks are only suggested course groupings. Feel free to choose whatever courses you feel are right for you from among the five tracks.
WHAT TO EXPECT WHEN YOU ARE EXCHANGING
Implementing HL7 Standards for Meaningful Use Stage 2
Sunday, January 13, 2013 • Pointe Hilton Squaw Peak Resort, Phoenix, Arizona
Special introductory pricing of $295 for HL7 members, or $595 for Non-members

SPECIAL EARLY BIRD INCENTIVE:
The first 30 to register for this workshop will also receive The CDA™ Book by Keith Boone, published by Springer.

SCHEDULE

9:00 – 9:15 am  General Introduction
Charles Jaffe, MD, PhD, HL7 CEO

9:15 – 11:00 am  HL7/IHE Health Story Consolidated CDA (CCDA) Implementation Guide
Calvin Beebe, Co-Chair, Structure and Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

11:00 – 11:15 am  Coffee Break

11:15 – 12:30 pm  Infobutton
Guilherme Del Fiol, MD, PhD, Co-Chair, Clinical Decision Support Work Group; Assistant Professor, University of Utah

12:30 – 1:30 pm  Lunch

1:30 – 3:00 pm  Family Pedigree Model
Grant Wood, Member, HL7 Clinical Genomics Work Group; Co-Chair, HL7 Marketing Council; Senior IT Strategist, Intermountain Healthcare's Clinical Genomics Institute

3:00 – 3:15 pm  Coffee Break

3:15 – 5:30 pm  Immunization and Laboratory Results Interface
Hans Buitendijk, Co-Chair, HL7 Clinical Statement; Co-Chair, HL7 Orders and Observations; HS Standards & Regulations Manager, Siemens Healthcare

GENERAL OVERVIEW

This session will provide an overview of the HL7 standards that are used in the Meaningful Use guidelines, and what attendees will see in each session, such as when and how to use implementation guides, vocabulary, NIST (National Institute of Standards and Technology) Tests and HL7 standards.

Each section will include the following components:

1. When Do You Need To Send/Receive Which Artifact
Exactly when are EHRs supposed to send this information? Is this a batch transfer? What is the healthcare provider or the system doing when this artifact needs to be exchanged? This is functional, related to when the system is expected to create or consume the artifacts.

Note: An 'artifact' is anything that the Meaningful Use guidelines state should be exchanged: message, document, service call, etc.

2. A Valid Example of What You Are Expected To Send Or Receive—And Its Description
Each section will walk-through an example artifact identifying its different parts and the content inside.

3. How to Read and Understand the Meaningful Use Stage 2 Implementation Guides
Go through the implementation guides that define the required artifacts and their major parts and constraints.

4. The Vocabularies Needed
Brief discussion will cover CVX, LOINC, SNOMED, etc.

5. Which Are The Related NIST Tests
Identify the NIST tests and related tools.

6. Which HL7 Standards Do You Need To Know
Brief discussion on the standards and how to learn more about them.
**SCHEDULE AT A GLANCE**

**Saturday, January 12**
- 9:00 – 5:00pm  
  TSC Meeting

**Sunday, January 13**
- 8:30 – 5:00pm  
  REGISTRATION
- 9:00 – 3:00pm  
  HL7 International Council Meeting
- 9:00 – 3:00pm  
  Architectural review Board (ArB)
- 1:45 – 3:00pm  
  HLT's Mobile Health Activities – FREE TUTORIAL  
  Hands on with FHIR (Co-Chairs, Facilitators, & HL7 FHIR Committee participants only) – FREE TUTORIAL
- 3:30 – 5:00pm  
  HL7 Activities with Other SDOs
- 4:00 – 5:00pm  
  First-Time Attendees' Orientation – FREE TUTORIAL
- 5:00 – 6:00pm  
  Organization and Process Orientation/Introduction – FREE TUTORIAL
- 5:15 – 6:30pm  
  TSC Meeting

**Monday, January 14**
- 7:00 – 8:00am  
  First-Time Attendees' Orientation – FREE TUTORIAL
- 7:00 – 5:00pm  
  REGISTRATION
- 7:30 – 8:00am  
  Continental Breakfast
- 8:00 – 8:45am  
  General Session – HL7 CEO and International Council Reports, Announcements
- 9:00 – 12:30pm  
  Introduction to Version 2, Part 1: Control/Patient Administration
- 9:00 – 12:30pm  
  Introduction to Version 3, Part 1: Fundamentals
- 9:00 – 12:30pm  
  Introduction to Vocabulary in HL7
- 9:00 – 12:30pm  
  Introduction to HL7 FHIR
- 9:00 – 5:00pm  
  Working Group Meetings
- 10:30 – 11:00am  
  Morning Break
- 12:30 – 1:30pm  
  Lunch – First-Time Attendees' Q & A reserved tables
- 1:45 – 3:00pm  
  Ambassador Program – Update on Meaningful Use Stage 2
- 1:45 – 5:00pm  
  Introduction to Version 2, Part 2: Orders and Observations
- 1:45 – 5:00pm  
  Introduction to Version 3, Part 2: Messaging
- 1:45 – 5:00pm  
  FHIR for Software Developers
- 1:45 – 5:00pm  
  Terminoo – Using Standard Terminologies with HL7 Information Models
- 3:00 – 3:30pm  
  Co-Chairs Dinner/Meeting (Must register)
- 6:00 – 8:00pm  
  Open Space Meetings – Self Organized
- 7:00 – 8:30pm  
  Domain Experts Steering Division
- 7:00 – 8:30pm  
  Foundation & Technology Steering Division
- 7:00 – 8:30pm  
  Structure & Semantic Design Steering Division
- 7:00 – 8:30pm  
  Technical & Support Services Steering Division
- 5:15 – 7:00pm  
  Networking Reception
- 5:30 – 7:30pm  
  HL7 Version 3 RIM Certification Test
- 5:30 – 7:30pm  
  HL7 Version 2.7 Control Specialist Certification Test
- 5:30 – 8:00pm  
  Modeling & Methodology (MnM) Facilitators' Roundtable

**Tuesday, January 15**
- 7:00 – 8:00am  
  Nurses Breakfast/Meeting
- 7:00 – 5:00pm  
  REGISTRATION
- 7:30 – 8:00am  
  Continental Breakfast
- 8:00 – 8:45am  
  General Session – HL7 CTO and TSC Reports, Announcements
- 9:00 – 12:30pm  
  Introduction to the Common Terminology Services Standard 2
- 9:00 – 12:30pm  
  Personal Health Record
- 9:00 – 12:30pm  
  Infobuttons for Clinical Decision Support
- 9:00 – 5:00pm  
  Working Group Meetings
- 10:30 – 11:00am  
  Morning Break
- 12:30 – 1:30pm  
  Lunch – First-Time Attendees' Q & A reserved tables
- 12:30 – 1:30pm  
  Lunch – Co-Chair reserved tables
- 12:30 – 1:30pm  
  TSC Luncheon/Meeting
- 12:30 – 1:30pm  
  Education Facilitators' Roundtable Luncheon/Meeting
- 1:45 – 5:00pm  
  Version 3 Messaging Implementation: Analysis & Specification

**Wednesday, January 16**
- 7:00 – 5:00pm  
  Electronic Health Record System Functional Model
- 1:45 – 5:00pm  
  How Nurses Can Use HL7
- 1:45 – 5:00pm  
  Introduction to Integrating the Healthcare Enterprise
- 3:00 – 3:30pm  
  Afternoon Break
- 3:30 – 9:00pm  
  Board of Directors' Meeting
- 6:00 – 8:00pm  
  Open Space Meetings – Self Organized

**Thursday, January 17**
- 7:00 – 8:00am  
  Newly Elected Co-Chair Training – FREE TUTORIAL
- 7:30 – 8:00am  
  Continental Breakfast
- 7:30 – 5:00pm  
  REGISTRATION
- 8:00 – 8:45am  
  General Session – Announcements
- 9:00 – 12:30pm  
  CDA Specialist Certification Test Preparation
- 9:00 – 12:30pm  
  Introduction to Templated CDA
- 9:00 – 12:30pm  
  HL7 Standards for Meaningful Use
- 9:00 – 5:00pm  
  Working Group Meetings
- 10:30 – 11:00am  
  Morning Break
- 12:30 – 5:00pm  
  Affiliate Chair or Designated Rep Luncheon/Meeting (Must register)
- 1:45 – 5:00pm  
  XDS Implementation Using CDA
- 1:45 – 5:00pm  
  Version 3 Software Implementation
- 1:45 – 5:00pm  
  Consolidated CDA
- 3:00 – 3:30pm  
  Afternoon Break
- 5:30 – 7:30pm  
  HL7 Version 2.7 Control Specialist Certification Test
- 5:30 – 7:30pm  
  HL7 CDA Specialist Certification Test
- 5:30 – 7:30pm  
  HL7 Version 3 RIM Certification Test
- 5:30 – 8:00pm  
  Modeling & Methodology (MnM) Facilitators' Roundtable

**Friday, January 18**
- 8:00 – 8:45am  
  No General Session
- 8:00 – 9:00am  
  Continental Breakfast
- 8:00 – 10:00am  
  Staff will be on hand for questions and assistance
- 9:00 – 3:00pm  
  Working Group Meetings
- 10:30 – 11:00am  
  Morning Break
- 12:30 – 1:30pm  
  Lunch

**Note:** Tutorials appear in bold

**Note:** In compliance with our status as an ANSI-accredited standards developing organization, HL7 meetings are open.
M1 – Introduction to Version 2, Part 1
Control/Patient Administration
Monday, January 14 / 9:00 am – 12:30 pm / 3 CME Credits

This tutorial introduces students to HL7 and the basic concepts of Version 2. It discusses the structure of the standard and covers two of the standard’s fundamental chapters: Control and Patient Administration.

This Tutorial Will Benefit:
• Those new to HL7

Faculty:
Patrick Loyd: Co-Chair, Technical and Support Services Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, Education Work Group; Co-Chair, HL7 Infrastructure and Messaging Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

M5 – Introduction to Version 2, Part 2, Orders and Observations
Monday, January 14 / 1:45 pm – 5:00 pm / 3 CME Credits

This tutorial provides the students with an overview of the Version 2 Orders and Observations messages and 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 with a need to become familiar with Version 2 messages

Faculty:
Hans Buitendijk, FHL7: Co-Chair, HL7 Clinical Statement; Co-Chair, HL7 Orders and Observations; HS Standards & Regulations Manager, Siemens Healthcare

W21 – Version 2.7 Control Specialist Certification Test Preparation
Wednesday, January 16 / 1:45 pm – 5:00 pm / 3 CME Credits

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

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

This Tutorial Will Benefit:
• Anyone preparing for the HL7 Control Specialist Certification Test

Faculty:
AbdulMalik Shakir, FHL7: Co-Chair, HL7 Modeling and Methodology Work Group; Member, HL7 Architectural review Board; Principal Consultant, Shakir Consulting; Director - Research Informatics Architecture, City of Hope

W17 – Version 2 Message Profiles and Conformance
Wednesday, January 16 / 9:00 am – 12:30 pm / 3 CME Credits

This course is designed to explore the concept of conformance within HL7 Version 2 as described in Chapter 2 of Version 2.7. Additionally, this tutorial will demonstrate how we can apply message profiling to interoperability by improving clarity, simplifying implementations and streamlining testing. Participants will be introduced to tools that facilitate analysis and interoperability while, at the same time, fully documenting HL7 conformance.

This Tutorial Will Benefit:
• Anyone interested in HL7 interoperability

Upon Completion of This Tutorial, Students Will Know:
• How to measure conformance using messaging profiling
• How vendors can document their applications’ implementations
• How providers can improve their RFP results by using message profiling
• How to use message profiles developed for specific domains
• The tools available to facilitate HL7 Version 2.x conformance efforts (Messaging Workbench and the Global Profile Library)
• More about HL7 conformance certification
• How to develop HL7 conformance documentation for Version 2

Prerequisites:
• Working knowledge of HL7 or other EDI standards (ASTM, X12)

Faculty:
Patrick Loyd: Co-Chair, Technical and Support Services Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, Education Work Group; Co-Chair, HL7 Infrastructure and Messaging Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

TH32 – HL7 Version 2.7 Control Specialist Certification Test
Thursday, January 17 / 5:30 pm – 7:30 pm

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

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

**M2 – Introduction to Version 3, Part 1: Fundamentals**
Monday, January 14 / 9:00 am – 12:30 pm / 3 CME Credits

Introduction to Version 3 is a rigorous introduction to HL7’s newly emerging standard. Included in the class is:
- General rationale for Version 3
- Explanation of Version 3’s two key concepts: messaging and documents (CDA)
- Essential concepts and terminology necessary to understand the static models of Version 3 used for both messages and documents

This Tutorial Will Benefit:
- Anyone interested in Version 3 implementation or standards development
- Anyone interested in more advanced Version 3 classes on messaging and documents (CDA)

Upon Completion of This Tutorial, Students Will Have Obtained:
- General understanding of the purpose, function, and format of Version 3 messaging and documents
- Rudimentary knowledge of the Reference Information Model (RIM)
- Rudimentary understanding of Version 3 Refined Message Information Models (RMIMs) and the refinement process
- Knowledge of scope, contents, and organization of the Version 3 publications

Prerequisites:
- Experience with healthcare interfacing would be helpful
- Experience or training with systems (development, integration, and/or implementation) required
- It is assumed that the student has some familiarity with the HL7 organization and its processes (balloting procedures, etc.)

**Faculty:**
*Virginia Lorenzi, FHL7: Manager, HIT Standards and Collaborations, New York-Presbyterian Hospital; Associate, Department of Biomedical Informatics, Columbia University*

**T9 – Version 3 XML ITS for CDA**
Tuesday, January 15 / 9:00 am – 12:30 pm / 3 CME Credits

Clinical Document Architecture (CDA) is represented in XML and uses the Version 3 data types. This tutorial covers the CDA XML and the data types from an implementer's perspective.

This Tutorial Will Benefit:
- Anyone who works with CDA in practice: specification designers, analysts, and programmers

Upon Completion of This Tutorial, Students Will Know:
- The general design approach for the XML structure of a CDA document and the data types
- The key facts about the important data types
- What the actual CDA XML looks like, how it relates to the published models
- How to master the first implementation challenges and basic requirements
- How to avoid the most common implementation mistakes
- How to actually populate a CDA document with clinical content
- How to use CDA templates

**Prerequisites:**
- The course will assume that participants have basic XML skills, and general knowledge of the Version 3 RIM concepts and the CDA

**Faculty:**
*Kai U. Heitmann, MD, FHL7: Chair, HL7 Germany; Heitmann Consulting and Services*

**M6 – Introduction to Version 3, Part 2: Messaging**
Monday, January 14 / 1:45 pm – 5:00 pm / 3 CME Credits

Health Level Seven is famous as a provider of messaging standards. That is, providing the standard format and interaction specifications required for two disparate healthcare systems to communicate at the application level. This tutorial builds on the morning Version 3 introduction class by focusing on how messaging is addressed with the Version 3 standard.

The Tutorial Will Benefit:
- Anyone who needs to read Version 3 messaging publications
- Anyone interested in Version 3 implementation or standards development
- Anyone interested in more advanced classes on Version 3

Upon Completion of This Tutorial, Students Will:
- Understand the structure of the Version 3 standard publication
- Have the ability to read a Version 3 functional domain
- Understand Version 3 static and dynamic models and associated terminology as needed to support Version 3 messaging
- Understand general rules for Version 3 message exchange

**Prerequisites:**
- Introduction to Version 3, Part 1: Fundamentals

Note: Messaging builds directly on the concepts covered in Part 1 and is designed to be a continuation of the morning class. Most attendees of Messaging also take the Fundamentals (Part 1) class. If you would like to take Messaging without taking Part 1, please contact the instructor.

Note: It is assumed that the attendee has basic familiarity with Version 3 including a general understanding of the RIM and how to interpret the RMIMs. This is covered in the Introduction to Version 3, Part 1 class.

**Faculty:**
*Virginia Lorenzi, FHL7: Manager, HIT Standards and Collaborations, New York-Presbyterian Hospital; Associate, Department of Biomedical Informatics, Columbia University*
Tuesday, January 15 / 1:45 pm – 5:00 pm / 3 CME Credits

The use of HL7 Version 3 to implement interfaces within a particular application context can have hidden complexities. While Version 3 has been designed to reduce the amount of required site-specific negotiation, it is not possible to simply pull the message specification(s) “out of the box” and install it. This tutorial guides the student through the analysis process, and addresses issues necessary for building robust interface solutions.

It covers:
- Documentation of message specifications
- Implementation considerations for data types
- Managing vocabulary from the implementation perspective
- Procedures to address refinement and localization of the standard
- Tips and strategies for successful implementation

This class also provides a lead-in for Version 3 Implementation Part 2: Implementation Mechanics.

This Tutorial Will Benefit:
- Analysts and architects who need to map HL7 Version 3 messages to or between computer applications
- Project managers responsible for Version 3 implementation projects
- Anyone considering Version 3 early adoption

Upon Completion of This Tutorial, Students Will Know:
- How to develop and carry out a plan for creating Version 3 interfaces
- How to read and write Version 3 message specifications
- How to design tips and strategies

Prerequisites:
- A basic understanding of Version 3 is a requirement (such as the Introduction to Version 3 Tutorials). More advanced tutorials (XML ITS and Wrappers) are encouraged as well. Previous experience in Version 2 implementations will be of value

Faculty:
Mead Walker, FHL7: Co-Chair, Domain Experts Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Patient Safety Work Group; Mead Walker Consulting

This Tutorial Will Benefit:
- Healthcare providers and exchange network architects considering CDA implementation
- Product managers considering support for CDA and those required to support it for meaningful use
- Public health officials and those with structured information reporting requirements
- Implementers of all kinds beginning to work with CDA

Prerequisites:
- Introduction to Version 3 (Part 1) recommended

Faculty:
Brett Marquard (Lead-Speaker): Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates
Rick Geimer (Co-Speaker): Chief Technology Officer, Lantana Consulting Group; Member, HL7 Structured Documents Work Group

W19 – CDA Community and Strategies for Implementation
Wednesday, January 16 / 9:00 am – 12:30 pm / 3 CME Credits

This tutorial focuses on how to implement CDA, the community that has grown up around it, and how it is being used in a wide variety of settings. Several speakers from around the world will describe their CDA experience and lessons learned. Speakers will also discuss their preferred CDA implementation roadmap.

This Tutorial Will Benefit:
- Analysts, architects, and/or developers interested in learning from others’ implementation experience

Upon Completion of This Tutorial, Students Will Know:
- Various CDA implementations around the world
- Various implementation challenges others have faced
- Various approaches to implementing CDA

Prerequisites:
- This is not a CDA tutorial. While attendees are not required to have a firm understanding of CDA, it is anticipated that a CDA background will aid the understanding of suggested approached and previously encountered challenges

Faculty:
Diego Kaminker: Affiliate Director, HL7 Board of Directors; Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 eLearning Course, Argentina; Chief Developer and Manager, Kern-IT SRL

W22 – Clinical Document Architecture Advanced
Wednesday, January 16 / 1:45 pm – 5:00 pm / 3 CME Credits

CDA implementation requires understanding of the CDA refinement of the RIM (the CDA RMIM), the Version 3 data types and how these combine with controlled vocabularies to form “clinical statements.” This tutorial reviews the principles of semantic interoperability with CDA and how these are reflected in the CDA model and implemented in the CDA schema. It reviews the CDA RMIM, schema and data types. In addition, the tutorial gives a detailed walkthrough of samples of CDA documents, coded using clinical statements.
This Tutorial Will Benefit:
- Those needing to learn more about CDA, Release 2—its derivation from the RIM and issues relevant to implementing CDA 2.0 solutions
- Implementers needing to work with CDA, and wanting a review of the details

Upon Completion of This Tutorial, Students Will:
- Have an overview of CDA’s components
- Have insight into the XML markup required to implement solutions
- Have a better understanding of the issues surrounding semantic interoperability using CDA

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

Faculty:
Robert Dolin, MD, FHL7 (Lead Speaker): Chair-Elect, HL7 Board of Directors; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Physician; President and Chief Medical Officer, Lantana Consulting Group
Calvin Beebe (Co-Speaker): Co-Chair, Structure and Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

TH25 – CDA Specialist Certification Test Preparation
Thursday, January 17 / 9:00 am – 12:30 pm / 3 CME Credits

Upon Completion of This Tutorial:
- Students will be better prepared to take the CDA Specialist Certification Test

This Tutorial Will Benefit:
- Anyone preparing for the CDA Specialist Certification Test
- System analysts or clinical application developers wanting in-depth understanding of the CDA Release 2 standard
- Participants are encouraged to carefully read the CDA Release 2 standard
- Introduction to Version 3 (Part I) as well as the CDA Introductory and Advanced tutorials are strongly recommended

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

TH26 – Introduction to Templated CDA
Thursday, January 17 / 9:00 am – 12:30 pm / 3 CME Credits

Templates provide a way to impose and validate business rules on communications. This tutorial explains
- What a template is
- How CDA templates work
- How they are used in implementation guides
- Design strategies for templates

This Tutorial Will Benefit:
- What tools are available for creating templates
- Implementation and validation techniques

Upon Completion of This Tutorial, Students Will Know:
- Where to look for existing CDA template examples
- The principles of templated CDA designs
- What templates are available in the CDA Consolidation Guide and through the IHE Technical Framework

Prerequisites:
- Introduction to CDA or CDA Advanced

Faculty:
Keith W. Boone: Director, HL7 Board of Directors; Lead Interoperability Systems Designer, GE Healthcare IT

TH29 – XDS Implementation Using CDA
Thursday, January 17 / 1:45 pm – 5:00 pm / 3 CME Credits

A practical session on how to implement XDS using CDA documents as the payload, and freely available open source toolkits to assist implementers—why reinvent the wheel?

This Tutorial Will Benefit:
- Managers, architects and implementers of health exchange projects who wish to learn more about standards based health exchange

Upon Completion of This Tutorial, Students Will Know:
- Where to find open source tools supporting XDS and CDA in several programming languages
- Key IHE profiles that should be considered to support information exchange
- 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 W. Boone: Director, HL7 Board of Directors; Lead Interoperability Systems Designer, GE Healthcare IT

TH30 – Version 3 Software Implementation
Thursday, January 17 / 1:45 pm – 5:00 pm / 3 CME Credits

This class gives an overview of current technical strategies for implementing solutions based on the Version 3 specifications. How is a message or a CDA document populated from our repository? What do we do when we receive a document or message? How do we process it? This tutorial will address implementations of Version 3 based applications from a practical point of view. Different architectural approaches will be examined and compared. The tutorial is designed to address the needs of the implementer/developer/application architect. The tutorial will address techniques and design patterns for manipulating Version 3 messages or documents: parsing and serialization, extended validation, communication, storage and retrieval and enablement of existing applications.
This Tutorial Will Benefit:
- Software architects responsible for integration projects
- Developers responsible for Version 3 implementation
- Technical specialists considering Version 3 adoption

Upon Completion of This Tutorial, Students Will Have:
- An understanding of multiple architectural approaches and techniques for Version 3 implementation
- A basic knowledge of the different technologies and tools available to implement HL7 Version 3 based message and document specifications

Prerequisites:
- Knowledge of HL7 Version 3 and the HL7 Development Framework (HDF)
- General knowledge of XML tooling principles and application development frameworks

Faculty:
Jean-Henri Duteau: Co-Chair, HL7 Modeling and Methodology Work Group; HL7 Facilitator, Modeling and Methodology; HL7 Publishing Facilitator for PHER; HL7 Messaging Expert, Alberta Health; Architect, GPI; Owner, Duteau Design Inc.

TH33 – HL7 CDA Specialist Certification Test
Thursday, January 17 / 5:30 pm – 7:30 pm
Health Level Seven International is pleased to offer certification testing on HL7 CDA Release 2. Certification testing is offered to those participants who want to demonstrate that they have a working knowledge of the CDA Release 2 standard. Healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates.

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

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

TH34 – HL7 Version 3 RIM Certification Test
Thursday, January 17 / 5:30 pm – 7:30 pm
Health Level Seven is pleased to offer certification testing on the HL7 Version 3 Reference Information Model (RIM) 2.11 (the version of the RIM in Version 3 Normative Edition 2006). Note that the RIM is the foundational base of all Version 3 artifacts. Certification testing is offered to those industry participants who are expected to have a working knowledge of the HL7 Version 3 RIM or its derived artifacts. Interface analysts, healthcare systems analysts, medical software programmers, and medical informatics faculty and students are all potential candidates.

The knowledge required to pass the exam can be obtained by self-study of the RIM and its associated normative structural vocabulary, as well as through participation in the HL7 working group meetings, HL7 education sessions, and field work implementing HL7 Version 3 artifacts. Please refer to the Study Guide on the HL7 Training and Certification page of the HL7 website for details on the content covered by the test.

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

M3 – Introduction to Vocabulary in HL7
Monday, January 14 / 9:00 am – 12:30 pm / 3 CME Credits
This tutorial explains the use of vocabulary in healthcare information technology and communication. The appropriate use of vocabulary is important for safe, effective and unambiguous information exchange and is key to any work in the HL7 or health information environment.

This Tutorial Will Benefit:
- Those involved in the implementation or development of HL7 standards, or health information systems, including: technical system implementers, information system managers and decision makers, and standards developers or contributors
- Those wishing to understand the principles of accurate representation of meaning in health information systems

Upon Completion of This Tutorial, Students Will Have:
- Understand what a code system is in health information exchange and why it is important
- Understand why code system governance and appropriate use and implementation is essential to safe and effective healthcare
- Understand the terms used to describe code system concepts in HL7
- Understand the basics of HL7 code systems (includes tables, code systems, value sets, concept domains, Version 2/Version 3 variations)

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

M4 – Introduction to HL7 FHIR
Monday, January 14 / 9:00 am – 12:30 pm / 3 CME Credits
FHIR is the newest healthcare interoperability standard offered by HL7, providing domain friendly wire formats compatible across the document, messaging, services and RESTful paradigms. This tutorial is aimed at 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:
Lloyd McKenzie, PEng: Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator-at-Large; Principal Consultant, LM&A Consulting Ltd.

M7 – FHIR for Software Developers
Monday, January 14 / 1:45 – 5:00 pm / 3 CME Credits

This tutorial is a deep-dive into the infrastructure parts of the FHIR specification. Get insight in how to design, develop and test software that uses the FHIR interoperability standard, all the way from the wire-format up to validation and storage.

This Tutorial Will Benefit:
- Software developers, team leads, and infrastructure architects

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

Pre-requisites:
- An Introduction to HL7 FHIR

Faculty:
Ewout Kramer: Chief Architect and Manager of Research and Development, Furore

M8 – TermInfo—Using Standard Terminologies with HL7 Information Models
Monday, January 14 / 1:45 pm – 5:00 pm / 3 CME Credits

The HL7 TermInfo 2 Project is specifying and updating standard guidelines for the interface between terminologies and HL7 information models. This tutorial looks at the way that both the standard terminologies and information models contribute to meeting the requirements of semantic interoperability in representing and communicating clinical data. The focus of the tutorial is using SNOMED CT in HL7 Version 3. However, the principles are more broadly applicable, and considerations for using the LOINC terminology and also Version 2, CDA and FHIR information models will be discussed, as this will be a focus of future TermInfo work. The relevant features of SNOMED CT are outlined and the gaps and overlaps between SNOMED CT and the HL7 Reference Information Model (RIM) regarding complete and unambiguous representation of meaning are summarized. This content is based on the current guidance of and proposed updates to the TermInfo Draft Standard for Trial Use “Using SNOMED CT in HL7 Version 3,” jointly published by HL7 and IHTSDO.

This Tutorial Will Benefit:
- Anyone interested in reproducible, processable communication of meaningful clinical information
- Anyone wishing to apply the HL7 TermInfo guidelines within an HL7 domain committee or an implementation of HL7 standards

Pre-requisites:
- Knowledge of UML, CTS2 Specification

Faculty:
Craig Stanc (Lead-Speaker): Lead Analyst/ Programmer, Mayo Clinic
Cory Endle (Co-Speaker): Senior Analyst/ Programmer, Mayo Clinic
Scott Bauer (Co-Speaker): Software Programmer/ Analyst, Mayo Foundation

T10 – Introduction to the Common Terminology Services Standard 2
Tuesday, January 15 / 9:00 am – 12:30 pm / 3 CME Credits

Common Terminology Services Standard 2 (CTS2) is an Object Management Group (OMG) standard for the query, interchange and update of terminological resources. The introductory tutorial is intended for those who are data architects and analysts. It will address and provide a baseline for implementers.

This Tutorial Will Benefit:
- Information architects, health informaticists, and technical analysts

Upon Completion of This Tutorial, Students Will Know:
- The background and history for of the CTS2 specification
- The ability to explain the role of terminology management within system development

Pre-requisites:
- Knowledge of UML, CTS2 Specification

Faculty:
Craig Stanc (Lead-Speaker): Lead Analyst/ Programmer, Mayo Clinic
Cory Endle (Co-Speaker): Senior Analyst/ Programmer, Mayo Clinic
Scott Bauer (Co-Speaker): Software Programmer/ Analyst, Mayo Foundation
T11 – Personal Health Record  
Tuesday, January 15 / 9:00 am – 12:30 pm / 3 CME Credits

This informative tutorial and review provides an in-depth look at the Personal Health Record System Functional Model (PHR-S FM), the difference between the EHR and the PHR, the relationship between the PHR-S FM and the EHR-S FM, and PHR initiatives around the world.

This Tutorial Will Benefit:
- Those seeking information on the functionality and standardization of personal health records
- Those wishing to implement or evaluate PHR systems, or those who have an interest in understanding how PHR-S functionality relates to broader industry discussions related to personal health records, including consumer empowerment

Upon Completion of This Tutorial, Students Will Know:
- Background and status of the PHR-S Functional Model as an impending ANSI standard
- The structure and content of functional requirements for PHR systems, as shown by the model
- The differences between the PHR-S FM and the EHR-S FM
- Options to use the functional model for conformance and care setting profiles
- Background and status on HL7 and industry projects supporting PHR standards
- How the PHR-S FM supports broader industry concepts related to the personal health records, such as consumer empowerment

Note: This tutorial focuses on functionality, not interoperability. While interoperability is a component of functionality, this tutorial is primarily focused on core functionality and not systems integration. The PHR-S FM is a functional standard, not a records/data standard.

Faculty:
Pat VanDyke, RN: Co-Chair, HL7 Electronic Health Records Work Group; Co-Chair, Structure and Semantic Design—HL7 Technical Steering Committee; Director of Information, Security, Privacy and EDI representing Delta Dental Plan Association

T14 – Electronic Health Record System Functional Model  
Tuesday, January 15 / 1:45 pm – 5:00 pm / 3 CME Credits

This informative tutorial and review provides an in-depth look at the American National Standards Institute (ANSI) and International Organization for Standardization (ISO) approved EHR System Functional Model (EHR-S FM), Release 1. The EHR-S FM includes conformance criteria, along with background information, including an overview of other EHR standards initiatives. The tutorial will also cover ongoing EHR Work Group projects such as the Personal Health Record, EHR Glossary, Functional Profiles, and the EHR Interoperability Model as well as EHR industry-related information such as EHR system certification efforts and healthcare information technology standards selection and usage efforts.

This Tutorial Will Benefit:
- Those seeking information on functionality and standardization of electronic health records
- This tutorial focuses on EHR system functionality and will be helpful for those looking to implement EHR systems, those wishing to evaluate EHR systems, or those that have an interest in garnering a bit of EHR system industry background information

Upon Completion of This Tutorial, Students Will Know:
- Background and status of the EHR System Functional Model as an ANSI and International Organization for Standardization (ISO) standard
- Options to use the functional model for conformance and care setting profiles
- Background and status on HL7 and industry projects supporting EHR standards

Note: This tutorial focuses on functionality, not interoperability. While interoperability is a component of functionality, this tutorial is primarily focused on core functionality and not systems integration. The EHR-S is a functional standard and not a records/data standard.

Faculty:
Gary Dickinson, FHL7: Co-Chair, HL7 Electronic Health Records Work Group; Director, Healthcare Standards, CentriHealth

T15 – How Nurses Can Use HL7  
Tuesday, January 15 / 1:45 pm – 5:00 pm / 3 CME Credits

This tutorial provides an overview of HL7 standards from a professional perspective. It explains what HL7 standards exist and how these assist nursing in EHR development and use, and in data communication efforts for several purposes. Standards are a prerequisite to functionality of healthcare information systems and the support of various care processes. In particular, where continuity of care and reporting of care quality are involved, nurses have a pivotal role. Such efforts usually involve more than one system, and more than one organization, hence, these require data communication. Nurses have been increasingly involved in HL7’s work groups and the standards development processes over the past ten years. It makes sense to specifically address the use of HL7 by nurses, since they are the largest group of healthcare providers in the world. The ultimate goal of this tutorial is that the more engaged nurses are in the standards specifications and development process, the more functional their information systems and data exchanges will be.

This Tutorial Will Cover:
- Relevant types of standards for nursing
- The HL7 standards development organization
- An understanding of HL7 Version 3 standards, in particular, Care Record and Clinical Document Architecture
- The Electronic Health Record / Personal Health Record standards
- How to handle nursing knowledge and vocabulary in the suite of HL7 standards
- How these standards are, and may be used in nursing care
- How nurses can participate in the standards development process

Faculty:
William Goossen, RN, PhD: Co-Chair, HL7 Patient Care Work Group
W23 – Standards for Interoperability
Wednesday, January 16 / 1:45 pm – 5:00 pm / 3 CME Credits

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. The tutorial has three main parts covering (1) messaging standards such as HL7 Version 2 and Version 3, (2) clinical document standards such as CDA, CCD, 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: Affiliate Director, HL7 Board of Directors; Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 eLearning Course, Argentina; Chief Developer and Manager, Kern-IT SRL

TH27 – CTS2 Implementation: Technical Overview
Thursday, January 17 / 9:00 am – 12:30 pm / 3 CME Credits

CTS2 is an OMG standard for the query, interchange and update of terminological resources. This tutorial will provide technical implementers with guidance for the implementation of the standard.

This Tutorial Will Benefit:
• Software developers, technical programmers; Information architects, health informaticists; technical analysts

Upon Completion of This Tutorial, Students Will Know:
• Be able to implement the CTS2 technical framework specification

Prerequisites:
• Knowledge of UML, CTS2 Specification, XML, JSON, REST
• Vocabulary tutorial 1 recommended not required
• Introduction to CTS2 recommended

Faculty:
Craig Stancl (Lead Speaker): Lead Analyst/Programmer, Mayo Clinic
Cory Endle (Co-Speaker): Senior Analyst/Programmer, Mayo Clinic
Scott Bauer (Co-Speaker): Software Programmer/Analyst, Mayo Foundation

T12 – Infobuttons for Clinical Decision Support
Tuesday, January 15 / 9:00 am – 12:30 pm / 3 CME Credits

This tutorial will describe how online reference resources can be integrated with EHR systems through the HL7 Context-Aware Information Retrieval Standard (also known as the Infobutton standard). The goal is to provide clinicians and their patients with seamless access to relevant information in the context of EHR use that can aid the decision-making process. The Infobutton standard is being rapidly adopted by EHR vendors and online medical knowledge publishers. The standard has been recently included as one of the requirements for EHR certification in the Meaningful Use Stage 2 Standards certification criteria.

This Tutorial Will Benefit:
• Users, implementers and developers of health IT solutions that need to integrate with patient or clinician focused reference content

Upon Completion of This Tutorial, Students Will Know:
• Clinicians’ information needs
• Impact of infobuttons on clinical decision-making
• Infobutton Manager architecture
• The major components of an Infobutton Request
• Patient Demographics
• Search Criteria
• Use of Task Contexts
• How to distinguish between patient and provider focused content
• How to map from Infobutton model elements to HTTP transactions
• Best practices for exchange of Infobutton resources

Prerequisites:
• Attendees should have a basic knowledge of HTTP and web-based transactions

Faculty:
Guilherme Del Fiol, MD, PhD (Lead Speaker): Co-Chair, HL7 Clinical Decision Support Work Group; Assistant Professor, University of Utah
Howard Strasberg, MD (Co-Speaker): Co-Chair, HL7 Clinical Decision Support Work Group; Vice President of Medical Informatics, Wolters Kluwer Health – Clinical Solutions

T16 – Introduction to Integrating the Healthcare Enterprise
Tuesday, January 15 / 1:45 pm – 5:00 pm / 3 CME Credits

Integrating the Healthcare Enterprise (IHE) is an organization devoted to the promotion of standards-based interoperability in healthcare. The goal of IHE is to improve the effectiveness and efficiency of healthcare provider organizations, and the system developers that support them, through the value proposition of interoperability standards. The IHE process is use case driven, and includes development of implementation guides, hosting industry-wide interoperability testing events (connectathons), and public demonstrations (such as the HIMSS Interoperability Showcase). IHE is a public-private collaboration of over 400 organizations, including professional societies, government agencies, standards
developing organizations (including HL7), health IT system vendors and implementers. It operates through a dozen specialty domains and across all regions of the world. IHE profiles form the basis for many interoperability efforts at the departmental, institutional, regional, national, and international levels.

This tutorial will provide an overview of the IHE organization and its processes, the scope of use cases (profiles) addressed, and how those profiles are being used in real world implementations.

**This Tutorial Will Benefit:**
- Users of health IT systems (clinicians, public health, researchers) who have interoperability use cases that need to be addressed
- Healthcare administrators, system purchasers, and policy makers who need to understand the scope of what is available for interoperability, and how to leverage IHE profiles for effective system specification and procurement
- Product managers, software developers, and integration specialists for clinical information systems that need to interoperate with other systems

**Upon Completion of This Tutorial, Students Will Understand:**
- The value proposition for standards-based interoperability, and the challenges to implementation
- The IHE process for use case driven interoperability specification, testing, and deployment
- The IHE Integration profiles for intra-institutional and cross-enterprise data exchange

**Faculty:**
*Harry Solomon:* Co-Chair, HL7 Imaging Integration Work Group; Interoperability Architect, GE Healthcare

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**W20 – The Laboratory Results Interface**  
Wednesday, January 16 / 9:00 am – 12:30 pm / 3 CME Credits

The Laboratory Results Interface (LRI) is an HL7 2.5.1 Draft Standard for Trial Use (DSTU) developed in conjunction with the ONC Standards and Interoperability program. It is designed for communication of laboratory results to ambulatory EHR systems and can also be used to communicate to inpatient systems.

**This Tutorial Will Benefit:**
- Implementers and developers of health IT solutions, and interface engineers that need to integrate EHR's with immunization information systems

**Upon Completion of This Tutorial, Students Will Know:**
- The different kinds of lab results that can be exchanged using the standard and the variations in messaging associated with each
- Additions to the standard that have been pre-adopted from HL7 Version 2.7.1 and the need for these in the standard, as well as how to use them
- Use of controlled vocabularies in the messages
- The differences between this standard and previous implementation guides that had been in use
- The different kinds of message profiles and how to detect or conform to them
- How to validate conformance of messages to profiles used in the guide

**Faculty:**
*Ken McCaslin, FHL7 (Lead-Speaker):* Co-Chair, HL7 Electronic Services Work Group; Co-Chair, HL7 Orders and Observations Work Group; Past Co-Chair, HL7 Technical & Support Services Steering Division—HL7 Technical Steering Committee; Director, HealthCare Standards, Quest Diagnostics

*Hans Buitendijk, FHL7 (Co-Speaker):* Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Orders and Observations Work Group; HS Standards & Regulations Manager, Siemens Healthcare

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**W24 – Immunization Messaging Using HL7 Version 2.5.1**  
Wednesday, January 16 / 1:45 pm – 5:00 pm / 3 CME Credits

The CDC Immunization Implementation Guide is based upon HL7 Version 2.5.1. It is designed to support communication of immunization data between health information systems, such as EHR systems and immunization information systems (IIS).

**This Tutorial Will Benefit:**
- Implementers and developers of health IT solutions, and interface engineers that need to integrate EHR's with immunization information systems

**Upon Completion of This Tutorial, Students Will Know:**
- The core data elements of immunization histories that should be supported
- The use cases supported by the messages in the implementation guide
- How to conform to the usage guidance in the implementation guide
- The differences between this guide and previous implementation guides that had been in use
- How to validate conformance of messages to the guide

**Faculty:**
*Harry Solomon:* Co-Chair, HL7 Imaging Integration Work Group; Interoperability Architect, GE Healthcare

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**TH28 – HL7 Standards for Meaningful Use**  
Thursday, January 17 / 9:00 am – 12:30 pm / 3 CME Credits

Under the 2009 US American Recovery & Reinvestment Act (ARRA) regulation, the Health Information Technology for Economic and Clinical Health (HITECH) section legislated that eligible healthcare professionals and hospitals could qualify for Medicare and Medicaid incentive payments by adopting certified EHR Technology and use it to achieve specified objectives. One of the two regulations announced defines the “Meaningful Use” objectives that providers must meet to qualify for the bonus payments, and the other regulation identifies the technical capabilities required for certified EHR Technology (ONC HIT Certification Program).

**The Key Components of the Meaningful Use Objectives Are:**
- Tracking key patient-level clinical information in order to give health providers clear visibility into the health status of their patient populations
• Applying clinical decision support designed by healthcare providers to help improve adherence to evidence-based best practices
• Executing electronic healthcare transactions (prescriptions, receipt of drug formulary information, eligibility checking, lab results, basic patient summary data exchange) with key stakeholders
• Reporting a focused set of meaningful care outcomes and evidence-based process metrics (for example, the percentage of patients with hypertension whose blood pressure is under control), which will be required by virtually any conceivable new value-based payment regimes

Evidence of Meaningful Use provides financial incentives to “Eligible Providers” and “Eligible Hospitals” over a five year period: 2011 to 2015. This tutorial will provide clarifications (including exceptions) to these incentives.

The Medicare and Medicaid EHR Incentive Programs are staged in three steps (Stage 1, Stage 2 & Stage 3) with increasing requirements for participation. Stage 1 requirements were published in Nov 2010 and Stage 2 in Aug 2012. Stage 3 requirements will be published in 2013. Additional details on the various stages will be provided during the tutorial.

This Tutorial Will Benefit:
• Providers and hospitals in the US who are eligible to receive the financial incentives under the legislation
• Consultants and companies who are providing Meaningful Use technical assistance to eligible providers and hospitals
• EHR vendors who are new to Meaningful Use requirements (Please review the Meaningful Use Track 4 tutorials for targeted training)
• Countries that are considering the introduction of national incentives to encourage EHR adoption

Upon Completion of This Tutorial, Students Will Know:
• What “Meaningful Use” is, who defined it, and what it means
• How it is relevant and related to HL7
• Which HL7 standards are mentioned in the “Meaningful Use” regulations

Prerequisites:
• Standards for Interoperability tutorial

Faculty:
Gora Datta: HL7 Corporate Member; HL7 Ambassador; Co-Chair, HL7 Mobile Health Work Group; Chairman & CEO, CAL2CAL Corporation

TH31 – Consolidated CDA
Thursday, January 17 / 1:45 pm – 5:00 pm / 3 CME Credits

This tutorial will provide an overview of the clinical documents supported by the CDA Consolidation Guide, including:
• Continuity of Care Document 1.1
• History and Physical
• Consult Note
• Discharge Summary
• Diagnostic Imaging Report
• Procedure Note
• Operative Note
• Progress Note
• Unstructured Document

This Tutorial Will Benefit:
• Users of systems designed to provide documentation of clinical encounters in a healthcare setting
• Administrators, system purchasers and policy makers in both the inpatient and outpatient setting who need to understand the HL7 specifications for clinical documentation used in those settings
• Product managers, software developers and integration specialists who are responsible for implementing solutions for clinical documentation

Upon Completion of This Tutorial, Students Will Know:
• History of, and need for, the CDA Consolidation Project
• How to read and understand the implementation guide
• Similarities and differences across document types in the guide
• Use cases for each of the document types

Faculty:
Lloyd McKenzie, PEng (Lead Speaker): Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates

F1 – HL7’s Mobile Health Activities
Sunday, January 13 / 1:45 pm – 3:00 pm

This tutorial provides an overview of mobile health, using scenarios from countries across the world. It introduces the approach being taken on this “hot” topic in HL7, and provides an opportunity for input and feedback from the international membership attending the WGM.

Faculty:
Ann Wrightson: Lead Technical Design Architect, Pensaer TG

F2 – Hands on with FHIR – FREE TUTORIAL
(Co-Chair, Facilitators, and HL7 FHIR Committee Participants Only)
Sunday, January 13 / 3:30 pm – 5:00 pm

This hands-on tutorial covers the resource authoring process. It will be a working class where attendees will use the FHIR build environment to construct a resource and generate the published specification. The tutorial will focus on spreadsheet usage, and be divided into an example and a Q&A session.

Prerequisites:
• This tutorial is intended for co-chairs, facilitators and HL7 FHIR committee participants ONLY
• A working FHIR publication environment
• Attendees should be planning to author resources, or already be experienced at having done so

Faculty:
Lloyd McKenzie, PEng (Lead Speaker): Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator-at-Large; Principal Consultant, LM&A Consulting Ltd.

Grahame Grieve (Co-Speaker): Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Structured Documents Work Group; Modeling and Methodology Facilitator-HL7
**TUTORIALS**

Infrastructure and Messaging Work Group; Consultant, NEHTA; National Development Manager, Health Intersections Pty Ltd

**F3/F5 – First-Time Attendees’ Orientation – FREE TUTORIAL**
Sunday, January 13 / 4:00 pm – 5:00 pm
Monday, January 14 / 7:00 am – 8:00 am

This is a special orientation session for first-time attendees. It will give those new to HL7 a better idea of how things work 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. The session will be offered twice during the meeting—one on Sunday evening and again on Monday morning.

Faculty:
Patrick Loyd: Co-Chair, Technical and Support Services Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, Co-Chair, Education Work Group; HL7 Infrastructure and Messaging Work Group; Co-Chair, HL7 Orders and Observations Work Group; Sole Proprietor, ICode Solutions

**F4 – Organization and Process Orientation/Introduction – FREE TUTORIAL**
Sunday, January 13 / 5:00 pm – 6:00 pm

This session provides a brief history of the HL7 organization and answers the question “What is HL7?” An overview of the current work group structure and content domains will be presented. Attendees will learn the formal work group process and protocol and how to effectively participate in the work of the work groups. This tutorial has been added at the request of first time attendees seeking to gain deeper knowledge of the organization and its work processes.

Faculty:
John Quinn: HL7 Chief Technical Officer

**F6 – How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL**
Wednesday, January 16 / 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 competencies to meet needs
- 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 a proposal for HL7 education
- How to undertake basic tutorial quality review

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

**F7 – Newly Elected Co-Chair Training – FREE TUTORIAL**
Thursday, January 17 / 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
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<th>Track 1—Version 2.x</th>
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# MEETINGS AT A GLANCE

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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

### AFFILIATE DUE DILIGENCE COMMITTEE
- **Tuesday**: 1:45 – 3:00 pm MEETING

### AMBASSADOR PROGRAM
- **Monday**: 1:45 – 3:00 pm Update on Meaningful Use Stage 2

### ANATOMIC PATHOLOGY (AP)
- **Tuesday**: 9:00 – 5:00 pm MEETING
- **Wednesday**: 9:00 – 10:30 am Joint w/O&O, Clin Gen, II
- **11:00 – 12:30 pm MEETING**
- **1:45 – 3:00 pm Hosting: Clin Gen**
- **3:30 – 5:00 pm MEETING**
- **Thursday**: 9:00 – 12:30 pm Joint w/O&O, AP, II
- **1:45 – 5:00 pm MEETING**

### ANESTHESIA (GAS)
- **Monday**: 9:00 – 5:00 pm MEETING
- **Tuesday**: 9:00 – 10:30 am Joint w/PC
- **11:00 – 3:00 pm MEETING**
- **3:30 – 5:00 pm Joint w/Dev**

### ARCHITECTURAL review BOARD (ArB)
- **Sunday**: 9:00 – 3:00 pm MEETING
- **Tuesday**: 3:30 – 5:00 pm MEETING
- **Thursday**: 1:45 – 3:00 pm MEETING

### ARDEN SYNTAX (AS)
- **Tuesday**: 9:00 – 5:00 pm MEETING

### ATTACHMENTS
- **Monday**: 11:00 – 5:00 pm MEETING
- **Tuesday – Thursday**: 9:00 – 5:00 pm MEETING

### BOARD OF DIRECTORS’ MEETING
- **Tuesday**: 3:30 – 9:00 pm MEETING

### Clinical Context Object Workgroup (CCOW)
- **Monday**: 9:00 – 5:00 pm MEETING

### CLINICAL DECISION SUPPORT (CDS)
- **Wednesday**: 9:00 – 10:30 am Joint w/SD
- **11:00 – 12:30 pm MEETING**
- **1:45 – 3:00 pm Hosting: PHER**
- **3:30 – 5:00 pm MEETING**
- **Thursday**: 9:00 – 10:30 am Joint w/O&O
- **11:00 – 12:30 pm MEETING**

### CLINICAL GENOMICS (Clin Gen)
- **Tuesday**: 3:30 – 5:00 pm MEETING
- **Wednesday**: 9:00 – 10:30 am Joint w/O&O, AP, II
- **11:00 – 12:30 pm MEETING**

### CONFORMANCE & GUIDANCE FOR IMPLEMENTATION/TESTING (CGIT)
- **Monday**: 9:00 – 12:30 pm MEETING
- **Tuesday**: 11:00 – 12:30 pm Joint w/InM
- **1:45 – 3:00 pm MEETING**
- **Wednesday**: 9:00 – 3:00 pm Joint w/ISO TC215 WG-2
- **3:30 – 5:00 pm Hosting: FHIR – Track 2**
- **Thursday**: 9:00 – 10:30 am Joint w/Voc
- **3:30 – 5:00 pm Joint w/SD, Voc**

### DICOM WG-10
- **Friday**: 9:00 – 10:30 am MEETING
- **11:00 – 3:00 pm Joint w/ISO TC215 WG-2**
- **3:30 – 5:00 pm MEETING**

### EDUCATION
- **Monday**: 1:45 – 5:00 pm MEETING
- **Tuesday**: 9:00 – 12:30 pm Joint w/ES, V2 and V3 Publishing, Tooling
- **12:30 – 1:30 pm Education Facilitators’ Roundtable Luncheon/Meeting**
- **Thursday**: 9:00 – 10:30 am Joint w/ES, V2 and V3 Publishing, Tooling

### MEAL & BREAKS
- **Monday – Thursday**: 7:30 – 8:30 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 General Sessions for daily highlights, meeting announcements and changes.

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<tr>
<th>Day</th>
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<tbody>
<tr>
<td>Monday – Thursday</td>
<td>8:00 – 8:45 am</td>
<td>HL7 CEO and International Council Reports, Announcements</td>
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<tr>
<td>Monday – Thursday</td>
<td>8:00 – 8:45 am</td>
<td>HL7 CTO and TSC Reports, Announcements</td>
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<td>Board Report, Awards Presentations, Announcements</td>
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**NOTE:** In compliance with our status as an ANSI-accredited standards development organization, anyone may register to attend HL7 meetings.

Meeting times and locations are subject to change.

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**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**
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ELECTRONIC HEALTH RECORDS (EHR)
Monday – Tuesday  9:00 – 5:00 pm MEETING
Wednesday  9:00 – 10:30 am Hosting: Sec, CBCC
11:00 – 12:30 pm Hosting: PHER, PC, PS, CIC
1:45 – 3:00 pm Joint w/MH
3:30 – 5:00 pm MEETING
Thursday  9:00 – 5:00 pm MEETING

ELECTRONIC SERVICES (ES)
Thursday  9:00 – 10:30 am MEETING
11:00 – 12:30 pm Hosting: V2 and V3 Publishing, Education, Tooling

EMERGENCY CARE (EC)
Monday – Tuesday  9:00 – 5:00 pm MEETING
Wednesday  9:00 – 5:00 pm MEETING
Thursday  9:00 – 10:30 am MEETING
11:00 – 12:30 pm Joint w/PHER
1:45 – 3:00 pm Joint w/PC, PS, CIC
3:30 – 5:00 pm MEETING

FHIR PROJECT
Sunday  1:45 – 3:00 pm Joint w/MnM
3:30 – 5:00 pm Hands on w/FHIR (Co-Chairs, Facilitators and FHIR HL7 Committee participants only)
Monday  9:00 – 12:30 pm Joint w/MnM
1:45 – 5:00 pm Joint w/ITS, MnM
Tuesday  9:00 – 10:30 am Governance Board
11:00 – 5:00 pm Joint w/PA – Track 2
1:45 – 3:00 pm Joint w/Pharm – Track 1
3:30 – 5:00 pm Joint w/InM, ITS – Track 1
Wednesday  9:00 – 10:30 am MEETING
11:00 – 12:30 pm Joint w/MnM, Voc – Track 1
11:00 – 3:00 pm Joint w/O&O – Track 2
1:45 – 3:00 pm Joint w/MnM – Track 1
3:30 – 5:00 pm Joint w/CGIT – Track 2
7:00 – 9:00 pm Management Group
Thursday  9:00 – 10:30 am MEETING
1:45 – 3:00 pm Joint w/SD – Track 1
1:45 – 3:00 pm Joint w/Dev – Track 3
1:45 – 5:00 pm Joint w/InM – Track 2
Friday  9:00 – 10:30 am Joint w/MnM
11:00 – 12:30 pm Governance Board

FINANCIAL MANAGEMENT (FM)
Monday – Tuesday  9:00 – 12:30 pm MEETING
Wednesday  1:45 – 5:00 pm MEETING

FIRST-TIME ATTENDEES’ MEETINGS
Sunday  4:00 – 5:00 pm ORIENTATION MEETING
Monday  7:00 – 8:00 am ORIENTATION MEETING
12:30 – 1:30 pm Lunch Tables Reserved for Q & A
Tuesday  12:30 – 1:30 pm Lunch Tables Reserved for Q & A

FOUNDATION TASK FORCE
Wednesday  3:30 – 5:00 pm MEETING

FRESH LOOK TASK FORCE
Monday  3:30 – 5:00 pm MEETING

GOVERNANCE AND OPERATIONS COMMITTEE (GOC)
Wednesday  11:00 – 12:30 pm MEETING

GS1 EDUCATION SESSION
Wednesday  7:00 – 7:45 am GS1 and compound medicine identification down the administration. Example from University Hospital Geneva and Vienna.

HL7 ACTIVITIES WITH OTHER SDOs
Sunday  3:30 – 5:00 pm MEETING
Monday  1:45 – 3:00 pm MEETING

HL7 ARCHITECTURE PROGRAM
Wednesday  1:45 – 3:00 pm PROGRAM

HEALTH CARE DEVICES (Dev)
Monday  9:00 – 5:00 pm MEETING
Tuesday  9:00 – 3:00 pm MEETING
3:30 – 5:00 pm Hosting: GAS
Wednesday  9:00 – 5:00 pm MEETING
Thursday  9:00 – 12:30 pm MEETING
1:45 – 3:00 pm Hosting: FHIR – Track 3
3:30 – 5:00 pm Hosting: MH
Friday  9:00 – 3:00 pm MEETING

IMAGING INTEGRATION (II)
Wednesday  9:00 – 10:30 am Joint w/O&O, AP, Clin Gen
11:00 – 12:30 pm MEETING
1:45 – 3:00 pm Joint w/SD
3:30 – 5:00 pm MEETING
Thursday  9:00 – 12:30 pm MEETING
1:45 – 5:00 pm Hosting: FHIR – Track 2

IMPLEMENTABLE TECHNOLOGY SPECIFICATION (ITS)
Monday  9:00 – 12:30 pm MEETING
1:45 – 5:00 pm Hosting: FHIR, MnM
Tuesday  9:00 – 10:30 am Joint w/SOA
11:00 – 12:30 pm Joint w/InM
1:45 – 3:00 pm Joint w/SD, MnM, V3 Publishing, Tooling
3:30 – 5:00 pm Joint w/InM, FHIR – Track 1
Wednesday – Thursday  9:00 – 12:30 pm MEETING

INFRASTRUCTURE & MESSAGING (InM)
Tuesday  9:00 – 10:30 am MEETING
11:00 – 12:30 pm Hosting: ITS
1:45 – 3:00 pm Hosting: CGIT
3:30 – 5:00 pm Hosting: ITS, FHIR – Track 1
Wednesday  3:30 – 5:00 pm Joint w/Voc

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 WG-2
Friday  9:00 – 10:30 am MEETING
11:00 – 3:00 pm Hosting: DICOM WG-10
3:30 – 5:00 pm MEETING

INTERNATIONAL MENTORING COMMITTEE (IMC)
Sunday  3:30 – 5:00 pm MEETING

MARKETING COUNCIL
Monday  11:00 – 12:30 pm MEETING

MOBILE HEALTH (MH)
Wednesday  9:00 – 12:30 pm MEETING
1:45 – 3:00 pm Hosting: EHR
3:30 – 5:00 pm MEETING
Thursday  3:30 – 5:00 pm Joint w/Dev
<table>
<thead>
<tr>
<th><strong>MODELING &amp; METHODOLOGY (MnM)</strong></th>
<th><strong>PHARMACY (Pharm)</strong></th>
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<tr>
<td><strong>Sunday</strong> 9:00 – 12:30 pm  Hosting: FHIR</td>
<td><strong>Monday</strong> 9:00 – 5:00 pm MEETING</td>
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<tr>
<td><strong>Monday</strong> 1:45 – 5:00 pm Joint w/ITS, FHIR</td>
<td><strong>Tuesday</strong> 9:00 – 12:30 pm MEETING</td>
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<tr>
<td><strong>Tuesday</strong> 9:00 – 12:30 pm MEETING</td>
<td><strong>1:45 – 3:00 pm</strong> Hosting: FHIR – Track 1</td>
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<tr>
<td><strong>Tuesday</strong> 1:45 – 3:00 pm Joint w/SD, ITS, V3 Publishing, Tooling</td>
<td><strong>3:30 – 5:00 pm</strong> MeetingG</td>
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<tr>
<td><strong>Wednesday</strong> 9:00 – 10:30 am Hosting: Voc</td>
<td><strong>Wednesday</strong> 9:00 – 5:00 pm MEETING</td>
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<td><strong>Wednesday</strong> 11:00 – 12:30 pm Hosting: Voc, FHIR – Track 1</td>
<td><strong>Thursday</strong> 9:00 – 10:30 am Hosting: SOA</td>
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<td><strong>Thursday</strong> 1:45 – 5:00 pm Meeting</td>
<td><strong>1:45 – 5:00 pm</strong> MEETING</td>
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<tr>
<td><strong>Friday</strong> 9:00 – 10:30 am Hosting: FHIR</td>
<td><strong>Friday</strong> 9:00 – 5:00 pm MEETING</td>
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<th><strong>NETWORKING RECEPTION</strong></th>
<th><strong>PHYSICIANS BREAKFAST/MEETING</strong></th>
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<tr>
<td><strong>Wednesday</strong> 5:15 – 7:00 pm MEETING</td>
<td><strong>Wednesday</strong> 7:00 – 8:00 am BREAKFAST/MEETING</td>
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<tr>
<th><strong>NURSES BREAKFAST/MEETING</strong></th>
<th><strong>POLICY ADVISORY COMMITTEE</strong></th>
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<tr>
<td><strong>Tuesday</strong> 7:00 – 8:00 am MEETING</td>
<td><strong>Wednesday</strong> 9:00 – 10:30 am MEETING</td>
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<th><strong>‘OPEN SPACE’ MEETINGS</strong></th>
<th><strong>PROJECT SERVICES</strong></th>
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<tr>
<td><strong>Monday – Tuesday</strong> 6:00 – 8:00 pm</td>
<td><strong>Thursday</strong> 1:45 – 3:00 pm MEETING</td>
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<tr>
<th><strong>ORDERS &amp; OBSERVATIONS (O&amp;O)</strong></th>
<th><strong>PUBLIC HEALTH &amp; EMERGENCY RESPONSE (PHER)</strong></th>
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<tbody>
<tr>
<td><strong>Monday</strong> 9:00 – 3:00 pm MEETING</td>
<td><strong>Monday</strong> 9:00 – 3:00 pm Joint w/SD, ITS, MnM, Tooling</td>
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<tr>
<td><strong>Tuesday</strong> 9:00 – 5:00 pm MEETING</td>
<td><strong>Tuesday</strong> 9:00 – 10:30 am Joint w/PS</td>
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<tr>
<td><strong>Wednesday</strong> 9:00 – 10:30 am Joint w/EHR, PC, PHER, CIC</td>
<td><strong>11:00 – 5:00 pm</strong> MEETING</td>
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<tr>
<td><strong>Thursday</strong> 9:00 – 10:30 am Joint w/EC</td>
<td><strong>1:45 – 5:00 pm</strong> MEETING</td>
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<tr>
<td><strong>Friday</strong> 9:00 – 10:30 am MEETING</td>
<td><strong>Friday</strong> 11:00 – 12:30 pm V2 and V3 Publishing – Joint/ES, Education, Tooling</td>
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<tr>
<th><strong>ORGANIZATION AND PROCESS ORIENTATION/INTRODUCTION</strong></th>
<th><strong>PUBLISHING</strong></th>
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<tr>
<td><strong>Sunday</strong> 5:00 – 6:00 pm ORIENTATION/INTRODUCTION</td>
<td><strong>Tuesday</strong> 1:45 – 3:00 pm Joint w/SD, ITS, MnM, Tooling</td>
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<tr>
<th><strong>ORGANIZATIONAL RELATIONS COMMITTEE (ORC)</strong></th>
<th><strong>Wednesday</strong> 9:00 – 10:30 am Joint w/PS</th>
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<tbody>
<tr>
<td><strong>Monday</strong> 7:00 – 7:30 am MEETING</td>
<td><strong>Wednesday</strong> 11:00 – 12:30 pm Joint w/EHR, PC, PHER, CIC</td>
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<tr>
<th><strong>PATIENT ADMINISTRATION (PA)</strong></th>
<th><strong>Thursday</strong> 1:45 – 3:00 pm V3 – MEETING</th>
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<tbody>
<tr>
<td><strong>Monday</strong> 9:00 – 5:00 pm MEETING</td>
<td><strong>Thursday</strong> 11:00 – 12:30 pm V2 and V3 Publishing – Joint/ES, Education, Tooling</td>
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<tr>
<td><strong>Tuesday</strong> 9:00 – 10:30 am MEETING</td>
<td><strong>Friday</strong> 11:00 – 12:30 pm V3 – MEETING</td>
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<tr>
<td><strong>Wednesday</strong> 9:00 – 5:00 pm MEETING</td>
<td><strong>REGULATED CLINICAL RESEARCH INFORMATION MANAGEMENT (RCRIM)</strong></td>
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<tr>
<td><strong>Wednesday</strong> 3:30 – 5:00 pm Joint w/CIC</td>
<td><strong>Tuesday</strong> 9:00 – 12:30 pm MEETING</td>
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<tr>
<td><strong>Thursday</strong> 9:00 – 10:30 am Joint w/Tooling</td>
<td><strong>1:45 – 3:00 pm</strong> MEETING</td>
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<tr>
<td><strong>Friday</strong> 11:00 – 12:30 pm Joint w/Tooling</td>
<td><strong>Wednesday</strong> 9:00 – 3:00 pm MEETING</td>
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<tr>
<th><strong>RIM BASED APPLICATION ARCHITECTURE (RIMBAA)</strong></th>
<th><strong>SECURITY (SEC)</strong></th>
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<tbody>
<tr>
<td><strong>Monday</strong> 1:45 – 3:00 pm Joint w/Tooling</td>
<td><strong>Monday</strong> 1:45 – 5:00 pm Joint w/CBCC</td>
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<td><strong>Tuesday</strong> 7:00 – 9:00 pm Joint w/Tooling</td>
<td><strong>Tuesday</strong> 9:00 – 5:00 pm MEETING</td>
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<td><strong>Wednesday</strong> 9:00 – 10:30 am Joint w/Tooling</td>
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<tr>
<td><strong>Thursday</strong> 1:45 – 3:00 pm Joint w/Tooling</td>
<td><strong>Friday</strong> 9:00 – 5:00 pm MEETING</td>
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<tr>
<th><strong>SAIF ARCHITECTURE PROGRAM</strong></th>
<th><strong>SAFETY (SEC)</strong></th>
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<tr>
<td><strong>Wednesday</strong> 3:30 – 5:00 pm MEETING</td>
<td><strong>Monday</strong> 1:45 – 5:00 pm Joint w/CBCC</td>
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<tr>
<td><strong>Tuesday</strong> 9:00 – 5:00 pm MEETING</td>
<td><strong>Tuesday</strong> 9:00 – 5:00 pm MEETING</td>
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<tr>
<td><strong>Wednesday</strong> 9:00 – 10:30 am Joint w/SOA</td>
<td><strong>Wednesday</strong> 9:00 – 10:30 am Joint/EHR, CBCC</td>
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<tr>
<td><strong>Thursday</strong> 1:45 – 5:00 pm MEETING</td>
<td><strong>11:00 – 12:30 pm</strong> Joint w/SOA</td>
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<td><strong>Thursday</strong> 9:00 – 5:00 pm MEETING</td>
<td><strong>1:45 – 5:00 pm</strong> MEETING</td>
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<th><strong>SECURITY (SEC)</strong></th>
<th><strong>SAFETY (SEC)</strong></th>
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<tr>
<td><strong>Monday</strong> 1:45 – 5:00 pm Joint w/CBCC</td>
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<td><strong>Tuesday</strong> 9:00 – 5:00 pm MEETING</td>
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<td><strong>Thursday</strong> 9:00 – 5:00 pm MEETING</td>
<td><strong>Thursday</strong> 9:00 – 5:00 pm MEETING</td>
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SERVICES ORIENTED ARCHITECTURE (SOA)

Monday   1:45 – 5:00 pm MEETING
Tuesday  9:00 – 10:30 am Hosting: ITS
         11:00 – 5:00 pm MEETING
Wednesday 9:00 – 10:30 am MEETING
         11:00 – 12:30 pm Hosting: Sec
         3:30 – 5:00 pm MEETING
Thursday  9:00 – 10:30 am Hosting: PC
         11:00 – 12:30 pm Joint with/Pharm
         1:45 – 3:00 pm Hosting: Voc
         3:30 – 5:00 pm MEETING
Friday   9:00 – 10:30 am MEETING

STEERING DIVISIONS

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

STRUCTURED DOCUMENTS (SD)

Monday   9:00 – 3:00 pm MEETING
         3:30 – 5:00 pm Hosting: PHER
Tuesday  9:00 – 12:30 pm MEETING
         1:45 – 3:00 pm Hosting: ITS, MnM, V3 Publishing, Tooling
         3:30 – 5:00 pm MEETING
Wednesday 9:00 – 10:30 am Hosting: CDS
         11:00 – 12:30 pm MEETING
         1:45 – 3:00 pm Hosting: II
         3:30 – 5:00 pm MEETING
Thursday  9:00 – 10:30 am MEETING
         11:00 – 12:30 pm Joint with/PC, Templates
         1:45 – 3:00 pm Hosting: FHIR – Track 1
         3:30 – 5:00 pm Hosting: Voc, CGIT
Friday   9:00 – 10:30 am Joint with/Templates, Tooling, PC, Voc
         11:00 – 12:30 pm MEETING

TSC MEETINGS

Saturday  9:00 – 5:00 pm MEETING
Sunday   5:15 – 6:30 pm MEETING
Tuesday  12:30 – 1:30 pm LUNCHEON/MEETING

TEMPLATES

Monday   9:00 – 10:30 am MEETING
Tuesday  11:00 – 12:30 pm Joint w/PC, SD
Friday   9:00 – 10:30 am Hosting: SD, Tooling, PC, Voc

TOOLING

Monday   3:30 – 5:00 pm Joint w/Voc
Tuesday  9:00 – 12:30 pm MEETING
         1:45 – 3:00 pm Joint w/SD, ITS, MnM, V3 Publishing
         7:00 – 9:00 pm Hosting: RIMBAA
Thursday 9:00 – 10:30 am MEETING
         11:00 – 12:30 pm Joint w/ES, V2 and V3 Publishing, Education
         1:45 – 3:00 pm Hosting: RIMBAA
Friday   9:00 – 10:30 am Joint w/Templates, SD, PC, Voc

VOCABULARY (VOC)

Sunday   1:45 – 5:00 pm MEETING
Monday   9:00 – 3:00 pm MEETING
Tuesday  9:00 – 5:00 pm MEETING
Wednesday 9:00 – 10:30 am Joint w/MnM
         11:00 – 12:30 pm Joint w/MnM, FHIR Track 1
         1:45 – 3:00 pm Joint w/V2 Publishing
         3:30 – 5:00 pm Hosting: InM
Thursday 9:00 – 10:30 am Hosting: CGIT
         11:00 – 12:30 pm MEETING
         1:45 – 3:00 pm Joint w/SA
         3:30 – 5:00 pm Joint w/SD, CGIT
Friday   9:00 – 10:30 am Joint w/Templates, SD, Tooling, PC

FREE EDUCATIONAL SESSION

Introduction to Security and Privacy
Wednesday, January 16 • 1:45 – 5:00 pm

This session will focus on how to apply security and privacy to health IT standards. It will cover the basics of security and privacy using real-world examples. The session will explain how each phase of design needs to consider risks to security and privacy to best design security and privacy in, and mechanisms for, flowing risks down to the next phase of design. In addition, it will cover the security and privacy relevant standards that HL7 has to offer including: Role-Based-Access-Control Permissions, Security/Privacy ontology, Confidentiality Code, CDA Consent Directive, Access Control Service, Audit Control Service, and others. These standards and services will be explained in the context of providing a secure and privacy protecting health IT environment.
“EARLY BIRD” RATE DEADLINE
Advance meeting registration, including payment, is required by December 14, 2012 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 25-26) for a schedule of meeting fees.

TO REGISTER
Please complete the registration form on pages 25-26 and mail it (along with a check payable to Health Level Seven International in US 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 December 21. 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
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’s January Working Group Meeting will be held at The Pointe Hilton Squaw Peak Resort.

The Pointe Hilton Squaw Peak Resort
7677 North 16th Street
Phoenix, AZ 85020
Resort Phone Direct: +1 (602) 997-2626
Reservations: +1 (800) 876-4683
Website: www.pointehilton.com

To reserve your room, the resort has set up a special website registration process just for HL7 attendees. HL7 attendees should log on to http://www.hilton.com/en/hi/groups/personalized/P/PHXSPPR-HL7W-20130112/index.jhtml and simply follow the reservation instructions. Please note the group rate rooms are run of the house, which means the room type is based on the best available at check in, not prior to arrival. Room type will be available on the registration form, but it is only a request. Requests will be noted and are based on availability.

For resort reservations call +1 (800) 876-4683. Be sure to mention Health Level Seven (HL7) or the Group Code HLW to receive the discounted room rate of $159 per night for single or double occupancy, or $128 per night based on the prevailing government rate, single or double occupancy. These rates will be offered three days prior and three days after the meeting dates, subject to availability of rooms at the time of reservation. Remember, space is limited, so reserve your room early. Discounted room rates are available only on reservations made before December 13, 2012. 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 three days you will be charged one night reservation fee.

GROUND TRANSPORTATION & PARKING
The Pointe Hilton Squaw Peak Resort is approximately 20 minutes or 10 miles from Sky Harbor International Airport.

Super Shuttle
The Super Shuttle can be arranged by calling +1 (602) 244-9000 for individuals or +1 (602) 225-2225 for groups. The fare is $17 per person one way. If you choose this option, please be aware that the shuttle may stop at other destinations prior to reaching the resort.

Taxi Service
Taxi service is available for approximately $28-$35 one way.

Parking
The Pointe Hilton Squaw Peak Resort offers complimentary self-parking throughout the property.

PLEASE BOOK YOUR ROOM AT THE HL7 MEETING RESORT
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 14, 2012 is the deadline for Early Bird fees. Hotel registrations must be received by the end of day on December 13, 2012. All advance registrations must be received by end of day on December 21, 2012. After this date, registrations can ONLY be made on-site with payment.

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<tr>
<th>Title/Position</th>
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Are you a member within the last 30 days?  Emergency Contact

2. Survey & Information

I am a/an:  □ Affiliate Chair  □ Facilitator — Vocabulary  □ HL7 Board Member  □ Tutorial Speaker  
□ Facilitator — MmM  □ Facilitator — Steering Division  □ HL7 Work Group Co-Chair  
□ Facilitator — Publishing  □ First-Time WGM Attendee  □ Past Board Chair

□ I am a member of an HL7 International Affiliate, employee of an HL7 organizational member or member of another eligible organization (ADA, ASC-X12, AHIP, ASTM, BioPharma Association Associate—SAFE, CEN/TC 251, CDIS, CHCF, Clientis Technologies, Inc., CLSI, CHA, DICOM, GS1, IHE, IHTSDO, IRISS, LOINC, OMG, The Health Story Project, WEDI) and eligible for the member rate. Please list affiliate or organization: __________________________________________________________________________

□ I am a full time student.

University attending: __________________________________________  Student #: __________________________

Meal Requirements:  □ Diabetic  □ Regular  □ Vegetarian  □ Other: __________________________

Please indicate if you plan to attend any of these functions:

□ International Council Meeting (Sunday)  □ Co-Chair Dinner/Meeting (Monday)
□ HL7 Networking Reception (Wednesday)  □ Affiliate Chair or Designated Rep Luncheon (Thursday)

Deadline for Discounted Rates: Payment must be received by December 14, 2012 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.

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.

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<tr>
<th>Members</th>
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| Before 12/14 | After 12/14 | $ __________ |
| $770 | $1,045 | $1,350 | $ __________ |
| $220/day | $290/day | $1,360/day | $ __________ |
| $295 | $295 | $595 | $595 | $ __________ |

Sunday Meeting Fee:
This fee must be included if you will be attending any of the Sunday meetings. This fee is in addition to the Monday-Friday option fee. This fee does not apply to those attending the First-Time Attendees’ Orientation or the Organization and Process Orientation/Introduction.

Monday – Friday Option:
Please register me for the entire week. Please note that the Monday-Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend.

Per Day Fees:
Please register me for the following days. Please note that daily fees do not include the cost of tutorials. Please register separately for any tutorials you would like to attend.

□ Monday  □ Tuesday  □ Wednesday  □ Thursday  □ Friday  
Number of days attending x fee:  $ __________

NEW PILOT PROGRAM
What to Expect When You Are Exchanging:
Implementing HL7 Standards for Meaningful Use Stage 2

Registrations sent by mail or fax will not be processed until payment is received. The “Early Bird” rate will not apply if payment is received after the cutoff date.

Registration questions: Please e-mail reginfo@HL7.org. You will receive confirmation of registration by email. If you have not received a confirmation of registration within two weeks after registration, call Mary Ann Boyle at +1 (734) 677-7777. Please bring your confirmation materials to the meeting with you.
**Meeting Registration Form**

**Tutorial Fees:** Please register me for the following tutorials:  
Please note that you must also register for the days you are taking tutorials.

**CME Credit:** CME credit eligible only to physicians. (Must complete one of the approved tutorials.)

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**SUNDAY**

- **Track 5 – Information Forums:** HL7's Mobile Health Activities - FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)
- **Track 5 – Information Forums:** Hands on with FHIR - FREE TUTORIAL (F2) — Co-Chair, Facilitators, & HL7 FHIR Committee participants ONLY. Must sign up to attend this tutorial (Please check the box.)
- **Track 5 – Information Forums:** First-Time Attendees’ Orientation – FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)
- **Track 5 – Information Forums:** Organization & Process Orientation/Introduction – FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)

**MONDAY**

- **Morning Sessions**
  - **Track 5 – Information Forums:** First-Time Attendees’ Orientation – FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)
  - **Track 2 – Version 2.x:** Intro to Version 2, Part 1: Control/Patient Administration (M1)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Introduction to Version 3, Part 1: Fundamentals (M2)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Introduction to Vocabulary (M3)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Introduction to HL7 FHIR (M4)
    - Before 12/14: $110
    - After 12/14: $215

- **Afternoon Sessions**
  - **Track 1 – Version 2.x:** Introduction to Version 2, Part 2: Orders and Observations (M5)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Introduction to Version 3, Part 2: Messaging (M6)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** FHIR for Software Developers (M7)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Terminfo (M8)
    - Before 12/14: $110
    - After 12/14: $215

**TUESDAY**

- **Morning Sessions**
  - **Track 2 – Version 3 and CDA:** Version 3 XML ITS for CDA (T9)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Intro to the Common Terminology Services Standard 2 (T10)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Personal Health Record (T11)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 4 – Meaningful Use:** Infobuttons for Clinical Decision Support (T12)
    - Before 12/14: $110
    - After 12/14: $215

- **Afternoon Sessions**
  - **Track 2 – Version 3 and CDA:** Version 3 Messaging Implementation (T13)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Electronic Health Record System Functional Model (T14)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** How Nurses Can Use HL7 (T15)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 4 – Meaningful Use:** Introduction to Integrating the Healthcare Enterprise (T16)
    - Before 12/14: $110
    - After 12/14: $215

**WEDNESDAY**

- **Morning Sessions**
  - **Track 1 – Version 2.x:** How to Design and Deliver an HL7 Tutorial – FREE TUTORIAL (F6) — Must sign up to attend this tutorial (Please check the box.)
  - **Track 2 – Version 2.x:** Version 2 Message Profiles and Conformance (W17)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Introduction to Clinical Document Architecture (W18)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** CDA Community and Strategies for Implementation (W19)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 4 – Meaningful Use:** The Laboratory Results Interface (W20)
    - Before 12/14: $110
    - After 12/14: $215

- **Afternoon Sessions**
  - **Track 1 – Version 2.x:** Version 2.7 Control Specialist Certification Test Preparation (W21)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Clinical Document Architecture Advanced (W22)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** Standards for Interoperability (W23)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 4 – Meaningful Use:** Immunization Messaging Using HL7 Version 2.5.1 (W24)
    - Before 12/14: $110
    - After 12/14: $215

**THURSDAY**

- **Morning Sessions**
  - **Track 5 – Information Forums:** Co-Chair Training – FREE TUTORIAL (F7) – Must sign up to attend this tutorial (Please check the box.)
  - **Track 2 – Version 3 and CDA:** CDA Specialist Certification Test Preparation (TH25)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Introduction to Templated CDA (TH26)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 3 – Special Topics:** CTS2 Implementation: Technical Overview (TH27)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 4 – Meaningful Use:** HL7 Standards for Meaningful Use (TH28)
    - Before 12/14: $110
    - After 12/14: $215

- **Afternoon Sessions**
  - **Track 2 – Version 3 and CDA:** XDS Implementation Using CDA (TH29)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Version 3 Software Implementation (TH30)
    - Before 12/14: $110
    - After 12/14: $215
  - **Track 4 – Meaningful Use:** Consolidated CDA (TH31)
    - Before 12/14: $110
    - After 12/14: $215

- **Evening Sessions**
  - **Track 1 – Version 2.x:** Version 2.7 Control Specialist Certification Test (TH32)
    - Before 12/14: $145
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** CDA Specialist Certification Test (TH33)
    - Before 12/14: $145
    - After 12/14: $215
  - **Track 2 – Version 3 and CDA:** Version 3 RIM Certification Test (TH34)
    - Before 12/14: $145
    - After 12/14: $215

**Total Amount Due $___________**

**4. Payment Information**

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

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

Number: ____________________________
Expiration Date: ______________________
Billing Street Address: ___________________
Name on Card: ________________________
Signature: _____________________________
UPCOMING WORKING GROUP MEETINGS

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

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<tr>
<th>Work Group</th>
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<tr>
<td>Anatomic Pathology</td>
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<td>Child Health</td>
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<td>Clinical Genomics</td>
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<td>Clinical Interoperability Council</td>
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<td>Clinical Statement</td>
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<tr>
<td>Electronic Health Records</td>
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<td>Electronic Services</td>
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<td>Modeling &amp; Methodology</td>
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<tr>
<td>Orders &amp; Observations</td>
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<td>Patient Administration</td>
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<td>Patient Safety</td>
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Atlanta, GA
May 5 – 10, 2013
Working Group Meeting
Sheraton Atlanta Hotel

Cambridge, MA
September 22 – 27, 2013
27th Annual Plenary & Working Group Meeting
Hyatt Regency Cambridge

Lake Buena Vista, FL
January 12 – 17, 2014
Working Group Meeting
Hilton in the Walt Disney World Resort

Chicago, IL
September 14 – 19, 2014
28th Annual Plenary & Working Group Meeting
Hilton Chicago Hotel

San Antonio, TX
January 18 – 23, 2015
Working Group Meeting
Hyatt Regency on the Riverwalk

Atlanta, GA
October 4 – 9, 2015
29th Annual Plenary & Working Group Meeting
Sheraton Atlanta Hotel

UPCOMING CO-CHAIR ELECTIONS
Desert character. It can't be conjured, landscaped or kindled with twinkling bulbs. John Ford knew that. So did Frank Lloyd Wright and Louis L'Amour. Spend a few days in Greater Phoenix and you'll understand, too. America's fifth-largest city still has cowboys and red-rock buttes and the kind of cactus most people see only in cartoons. It is the heart of the Sonoran Desert and the gateway to the Grand Canyon, and its history is a testament to the spirit of puebloans, ranchers, miners and visionaries. No matter what time of year you visit Greater Phoenix, you'll find plenty of things to see and do. More than 300 days of annual sunshine mean you can count on exceptional weather as you experience the rich diversity of the Sonoran Desert Playground.

The near-perfect weather goes hand-in-hand with exciting recreation and adventure activities, which can be enjoyed year-round. Experience a wide range of tours and sightseeing excursions, whether by Jeep or hot-air balloon, on horseback, or even by boat. Of course golf is one of the most popular outdoor activities, as Greater Phoenix provides more than 200 pristine courses.

More than three dozen luxurious resorts are scattered throughout the Valley, many of which provide spectacular spas that offer special treatments native Arizona. Visitors also take pleasure in an exceptional dining scene, featuring everything from savory steaks to exquisite Southwestern fare. After your meal, don't miss the area's dynamic nightlife.

Thanks to several major projects and developments in Downtown Phoenix-Copper Square, the area is brimming with energy and excitement. Arts and performances flourish throughout the metro area, and in terms of sporting events, Phoenix is a sport's lover’s dream. Passionate shoppers will find an array of fabulous malls, unique boutiques, and antique shops in which to indulge.

With so many ways to keep busy, or simply lounge around and do nothing at all, it's easy to see why visitors find themselves completely satisfied in Greater Phoenix.

Phoenix Skyline photo © Greater Phoenix CVB