



Health Level Seven® International
Unlocking the Power of Health Information

SPECIAL EDITION
EDUCATIONAL SUMMIT:

HL7 & MEANINGFUL USE HANDS-ON WORKSHOP

Choose Your Track: Version 2 or
Clinical Document Architecture

St. Louis, MO
July 17–19, 2012

Hilton Ballpark Conference Center
One South Broadway, St. Louis, MO 63102

Hotel Cutoff is June 25, 2012

Early Bird Registration is July 2, 2012

Online Registration Cutoff is July 9, 2012

Gain In-Depth HL7 Knowledge & Certification *Straight from the Source*

HL7 is the Sole Source for HL7 Certification Testing! See inside for details.



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Register Today! www.HL7.org



What is an Educational Summit?

An HL7 Educational Summit is a three-day educational event where live tutorial sessions, specially selected by the HL7 Education Work Group, are taught to those interested in learning more about and implementing the HL7 standards and related work products. This year we have added a new special edition workshop where attendees can get in-depth hands on training in addition to presentation style tutorials. Both types of educational summits focus on HL7 specific topics such as Version 2, Version 3 and Clinical Document Architecture as well as general interest industry topics such as Electronic Health Records and Vocabulary.

Why should I attend?

This is an invaluable educational opportunity for members of the healthcare IT community as it strives for greater interoperability among healthcare information systems. Our classes offer a wealth of information designed to benefit a wide range of HL7 users, from beginner to advanced. You'll take away valuable HL7 knowledge and skills that you'll be able to apply immediately in the real world.

Among the benefits of attending the HL7 Educational Summit are:

Location

St. Louis, MO – The Hilton Ballpark Conference Center is a masterful architectural design with a soaring lobby, spectacular city views of the Busch Stadium and Gateway Arch, stylish accommodations, luxurious facilities, concierge amenities and a first rate array of food and beverage venues, including Mark Street Bistro, Imo's Pizzeria, Yo My Goodness Frozen Yogurt, Mike Shannon's Steakhouse and Starbucks 360 rooftop bar.

Efficiency

Our concentrated format provides maximum training with minimal time investment.

Quality

Our high-quality training in a small classroom setting promotes more one-on-one learning.

Expert Instructors

You'll get HL7 training straight from the source. Our instructors are not only HL7 experts—they are the people who help produce the HL7 standards.

Certification Testing

Become HL7 Certified. HL7 is the sole source for HL7 certification testing—now offering testing on Version 2.7, Clinical Document Architecture (CDA) and Version 3 Reference Information Model (RIM).

Economical

Educational summits offer a more economical alternative for companies who want the benefits of HL7's on-site training but have fewer employees to train.



General Information

Cancellation/Refund Policy

Prepaid registrants who cancel prior to July 2, 2012 will receive a full refund minus a \$50 processing fee. After that date, no refunds will be given. If a track/tutorial does not meet minimum attendance requirements, it may be cancelled. In this event, registrants may attend an alternate track/tutorial of their choosing or request a refund for the cancelled track/tutorial.

Hotel

The Educational Summit will be held at the Hilton Ballpark Conference Center, One South Broadway, St. Louis, MO, 63102. To reserve your room, please call the hotel directly at +1 (877) 845-7354 or go online at <http://www.hilton.com/en/hi/groups/personalized/S/STLBVHF-HLS-20120713/index.jhtml> and enter the group code HLS to apply our room rates. Be sure to mention

you are with the Health Level Seven International room block if calling in. The special HL7 rate is \$129 plus tax per night. You must register by end of day ET on June 25, 2012 to receive this rate.

Ground Transportation and Parking

Lambert-St. Louis International Airport is 14 miles from the hotel. Transportation options include the Subway/Rail for \$3.00 or Taxi (approximately \$35). Self Parking at the hotel is \$18 maximum per day with in/out privileges and \$25 for valet parking.

Meals

A continental breakfast and buffet lunch is included with each day's tutorial registration fee. Lunch is from 12:30 pm to 1:30 pm each day. Refreshment breaks will also be provided each day at 10:30 am and 3:00 pm.

How Do I Register?

Mail

Please complete the registration form on the inside of this brochure and mail it (along with credit card information or a check payable to Health Level Seven International in US funds drawn on a US bank ONLY) to the following address:

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

Fax

You may fax registration and credit card information to: +1 (734) 677-6622.

Register Online

Online registration is available until the end of the day ET on July 9, 2012 at www.HL7.org. For your convenience,

you can pay via credit card directly on the website, or print the registration form and mail it with payment.

Early Bird Registration

Registrations and payment must reach us by the end of the day ET on July 2, 2012 to receive the special Early Bird rate. Please see the registration form on the inside back page.

Advance Registration/Payment

Advance registrations MUST include payment. Registrations received without payment will not be processed until the time that payment is received.

On-Site Registration

On-site registrations will be accepted July 17-19, 2012. Payment in full is required at the time of registration.

For more information, please contact Mary Ann Boyle at: +1 (734) 677-7777 ext. 141 or maryann@HL7.org

Track 1: HL7 Version 2.x and Meaningful Use

Tuesday, July 17

PRESENTATION: Introduction to HL7

EXERCISE: When to use which standard

— Break —

PRESENTATION: Introduction to HL7 Version 2.x

EXERCISE: When to use which chapter of Version 2.x. Hands-on exercises to determine which HL7 Version 2.x trigger event to use in certain use cases

— Lunch —

PRESENTATION: Introduction to HL7 Version 2.X – Structure: Introduction to chapter 2, including segments, fields and data types

EXERCISE: Basic HL7 Version 2.X exercise on recognition of segments, fields, etc. in actual messages and how to create HL7 messages

— Break —

PRESENTATION: HL7 Version 2.x Implementation Guides – Covers the parts of an implementation guide and provides examples

EXERCISE: How to create an implementation guide and a conformant message for a small scenario

Wednesday, July 18

PRESENTATION: Meaningful Use and HL7 Version 2.x

PRESENTATION: HL7 Version 2.5.1 for Public Health Reporting

— Break —

EXERCISE: How to build and verify messages based on the HL7 Version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health, Release 1 (US Realm). This will include providing a detailed scenario and walking through the steps to build and revise a conformant message for transmitting reportable results to public health

— Lunch —

PRESENTATION: HL7 Version 2.5.1 for Immunizations / Centers for Disease Control Implementation Guide

EXERCISE: How to build and verify a conformant message for immunization messages with the Version 2.5.1 CDC Implementation Guide

— Break —

PRESENTATION: HL7, Meaningful Use and Vocabularies

EXERCISE: Vocabulary overview and search exercise

Track 2: HL7 CDA Release 2 and Meaningful Use

Tuesday, July 17

PRESENTATION: Introduction to HL7

EXERCISE: When to use which standard

— Break —

PRESENTATION: What is CDA?

EXERCISE: Basic CDA exercises

— Lunch —

PRESENTATION: CDA Data Types

EXERCISE: How to identify wrongly used CDA data types and how to make corrections

— Break —

PRESENTATION: CDA Structure: Body and Header

EXERCISE: CDA structure exercises on how to create a complete CDA instance with different header elements

— Break —

PRESENTATION: CDA Structure: Entries

EXERCISE: How to create basic entries (observations, allergies, problems)

Wednesday July 18

PRESENTATION: Meaningful Use and HL7 CDA

PRESENTATION: CDA Templates and the Continuity of Care Document (CCD)

— Break —

EXERCISE: How to create a CCD compliant document

— Lunch —

PRESENTATION: What are the C32/C80/C154 constraints?

EXERCISE: How to create a basic C32 compliant document

— Break —

PRESENTATION: HL7, Meaningful Use and Vocabularies

EXERCISE: Vocabulary overview and search exercise

Thursday, July 19

9:00am – 12:30pm Version 2.7 Control Specialist Certification Test Review
CDA Specialist Certification Test Review

1:30pm – 3:30pm HL7 Version 2.7 Control Specialist Certification Test
HL7 CDA Specialist Certification Test
HL7 Version 3 RIM Certification Test

HL7 and Meaningful Use Hands-On Workshop

A special edition of the classic HL7 Educational Summit, combining live tutorial sessions with hands-on work on the standards needed to comply with the Meaningful Use rules.

The US Federal Regulations require that certified EHRs utilizing specified health information technology (HIT) standards be used when satisfying meaningful use criteria to receive Medicare and/or Medicaid incentives and avoid penalties. Healthcare interoperability is viewed as a critical part of meaningful HIT, allowing for information sharing across the continuum of care. Several HL7 standards and implementation guides as well as related vocabulary standards are referenced in the standards regulation to support EHR healthcare interoperability functions. This workshop has been designed by the HL7 Education Work Group for those interested in learning more about implementing HL7 in the context of Meaningful Use.

Track 1 - HL7 Version 2.x and Meaningful Use

HL7 Version 2 appears in the Stage 1 regulations as a means for facilitating the communication of immunizations and other public health data. While not specified in the initial rule, it is the de facto standard for communication of lab results, clinical orders, and patient demographics — all necessary elements in the meaningful use of health information technology.

This Track Will Benefit:

- Those having limited or no experience with HL7 or those new to HL7 who need to implement HL7 Version 2.x messaging for Meaningful Use rules compliance

Upon Completion of This Track, Students Will Know:

HL7 Version 2.x Base Standards

- What is HL7?
- Paradigms: messages, documents, services. Profiles, transport, content, and vocabulary
- Basic concepts: messages, documents, services, transport, content, and vocabulary
- HL7 Version 2.x main chapters: admission, observations, and orders
- Which message to use and when
- HL7 Version 2.x messages from the inside out: data types, fields, and segments
- Version 2 implementation guides
- Need for implementation guides and what comprises an implementation guide
- Implementation guide examples and how to create an implementation guide

HL7 Version 2.x and Meaningful Use

- Meaningful use requirements (short/long term) related to

HL7 Version 2.x standards

- HL7 guides for reportable laboratory results and immunization messages: use cases, message types, vocabulary, caveats
- HL7, meaningful use and vocabularies

Faculty:

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

Track 2 - HL7 CDA® Release 2 and Meaningful Use

The HL7/ASTM CCD® (an implementation guide of the Clinical Document Architecture) is specified as the selected standard for the exchange of clinical information between providers and as the vehicle for electronic communication with the consumer. While not specifically designated in the stage 1 regulations, there are many other flavors of CDA documents that can play a role in meaningful HIT, such as discharge summaries, operative notes, test reports, and clinical genomics findings. In addition, the communication of quality – a key part of meaningful use – can be done using HL7 structured documents (both the patient oriented metrics and the measure definitions themselves).

This Track Will Benefit:

- Those having limited or no experience with HL7 or those new to HL7 or CDA who need to implement CDA Release 2 documents for Meaningful Use rules compliance

Upon Completion of This Track, Students Will Know:

HL7 CDA Release 2 Base Standards

- Paradigms: messages, documents, services
- Basic concepts: Messages, documents, services, transport, content, and vocabulary
- HL7 CDA Release 2 use cases and scenarios
- CDA Release 2 data types
- CDA Release 2 structure: body, header
- Clinical statement: CDA Release 2 entries. CDA Release 2 constraining: implementation guides

HL7 CDA Release 2 and Meaningful Use

- Meaningful use requirements (short/long term) related to CDA Release 2 standards
- CDA templates and CCD, including CCD templates—C32/C80/C154 constraints
- HL7, meaningful use and vocabularies

Faculty:

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

HL7 HAS GONE GREEN! *Bring your laptop to your tutorials!*

To reduce HL7's carbon footprint, its meetings are now largely paperless. HL7 no longer provides printed tutorial materials on-site. All materials will be distributed electronically to tutorial participants to either print out themselves or load to their laptops. It is important that you bring your laptop to this meeting for all tutorials. Free WiFi internet access will also be provided.



Version 2.7 Control Specialist Certification Test Review

Thursday, July 19 / 9:00 am – 12:30 pm

This tutorial reviews the message definition and processing rules and data type definitions of the Control chapters of the HL7 Version 2.7 standard. Upon completion of this tutorial, students will be better prepared to take the HL7 Version 2.7 Control Specialist Certification Test. Note that 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
- Interface analyst specialists and managers who need to understand the technical aspects of HL7 interfaces

Faculty:

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

CDA Specialist Certification Test Review

Thursday, July 19 / 9:00 am – 12:30 pm

Upon completion of this tutorial, students will be better prepared to take the CDA Certification Test.

This Tutorial Will Benefit:

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

Prerequisites:

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

Faculty:

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

HL7 Version 2.7 Control Specialist Certification Test

Thursday, July 19 / 1:30 pm – 3:30 pm

Health Level Seven 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 Chapters 2, 2A and 2B 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 summit 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.

HL7 CDA Specialist Certification Test

Thursday, July 19 / 1:30 pm – 3:30 pm

Health Level Seven 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 test 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 summit 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.

HL7 Version 3 RIM Certification Test

Thursday, July 19 / 1:30 pm – 3:30 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 on 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 test 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 summit 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.

Meeting Registration Form

EARLY BIRD prices are reflected in **RED** below. EARLY BIRD registrations with payment must reach us by **the end of the day, E.T. on July 2, 2012**. Advance registration must be received with payment by **the end of the day, E.T. on July 9, 2012**. After this date, registrations must be made and paid for ON-SITE ONLY. The registration fee includes a Tuesday evening networking reception, and a buffet lunch and two refreshment breaks each day.

1. Contact Information:

First Name	Last Name	Nickname <i>(This name will appear on your badge.)</i>	
Title/Position	Organization	Email	
Address			
City	State	Zip	Country
Telephone		Fax	

Register Online: www.HL7.org

2. Registration Fees:

Registrants are eligible for all tutorials on the day(s) for which they've registered.

However, **HL7 Certification Testing is not included in the packages and must be registered for separately.**

Options

Track

Version 2 Track (2 days):

CDA Track (2 days):

Version 2.7 Control Specialist Test Review:

CDA Specialist Test Review:

HL7 Version 2.7 Certification Test:

HL7 CDA Certification Test:

HL7 V3 RIM Certification Test:

Members

Early Bird

☐ \$1,425

☐ \$1,425

☐ \$300

☐ \$300

☐ \$145

☐ \$145

☐ \$145

Standard Rate

☐ \$1,705

☐ \$1,705

☐ \$400

☐ \$400

☐ \$145

☐ \$145

☐ \$145

Non-Members

Early Bird

☐ \$1,845

☐ \$1,845

☐ \$400

☐ \$400

☐ \$215

☐ \$215

☐ \$215

Standard Rate

☐ \$2,140

☐ \$2,140

☐ \$500

☐ \$500

☐ \$215

☐ \$215

☐ \$215

TOTAL

Member : _____

Non-Member: _____

☐ I have joined HL7 as a member within the past 30 days.

☐ I am a member of an HL7 International Affiliate, employee of an HL7 International organizational member or member of another eligible organization (ASC X12, AHIP, ASTM, CDISC, CEN/TC251, CHCF, CLSI, CHA, DICOM, GS1, IEEE, IHE, IHTSDO, LOINC, NAACCR, NCPDP, OMG, The Health Story Project, and WEDI) and eligible for the member rate. Please list affiliate or organization: _____

Meal Requirements: ☐ Diabetic ☐ Regular ☐ Vegetarian ☐ Other: _____

3. Payment Information:

Payment must be included in order to process your registration.

Method of Payment: (US Dollars, drawn on US Bank Only)

Credit Card: ☐ Visa ☐ Master Card ☐ Discover

☐ Check (Make check payable to Health Level Seven International)

☐ American Express

Number	Exp. Date	Zip Code
Name on Card (please print)		Billing Street Address

MAIL: Please mail the completed registration form to:
Health Level Seven International
3300 Washtenaw Ave., Suite #227
Ann Arbor, MI 48104, USA

FAX: You may fax registration
& credit card information to:
+1 (734) 677-6622

You will receive a confirmation of registration by email. If you do not receive confirmation within two weeks, please contact Mary Ann Boyle at +1 (734) 677-7777 ext. 141. Please bring your confirmation materials to the meeting with you.

St. Louis, MO

Greater St. Louis consistently ranks as one of the top places to visit in the US. With world-class museums and cultural institutions, a wide range of arts and entertainment, and an abundance of parks, trails, and outdoor recreation, St. Louis has a unique quality of place.

St. Louis, nicknamed the “Gateway City,” has a small-town feel, but offers all the amenities you’d expect in a major metropolitan area, including top-notch health care and education resources. The St. Louis region experiences four distinct seasons, including moderate springs, sunny and warm summers, cool and comfortable autumns and milder winters.

St. Louis offers many unique attractions, historic sites, charming neighborhoods and entertainment options. From museums that celebrate art and culture to those that concentrate on the unusual, St. Louis moves to the beat of many different drummers. Enjoy thrill rides and water parks one day, and catch a Cardinals, Rams or Blues game the next. Discover the world of birds and other gentle creatures or explore the region’s historic past – either way, you’re sure to find something exciting.

The St. Louis area is home to more than 100 golf courses, well over 100 parks and some 200 miles of cycling, running, and walking trails. St. Louis’ 1,300-acre Forest Park is an emerald green oasis of parkland, picnic grounds, ball fields, lakes and cultural attractions. The Saint Louis Science Center, Missouri History Museum, Saint Louis Zoo, Saint Louis Art Museum and Muny Theatre (select seats) all call Forest Park home and are free to the public. The park today is not only one of St. Louis’ premier attractions, but also the seventh largest urban park in the nation.

St. Louis is a “20-minute city,” where most of the attractions are within a reasonable distance for most of the people. Across the region, average commutes to work are below the national average of 24.7 minutes.

Copy courtesy of St. Louis Convention & Visitors Commission



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