SPECIAL EDITION EDUCATIONAL SUMMIT:
HL7 & MEANINGFUL USE
HANDS-ON WORKSHOP

Choose Your Track—Version 2 or Clinical Document Architecture

March 15–17, 2011 • Chicago, IL
The Hilton Suites Chicago/Magnificent Mile
198 East Delaware Place, Chicago, Illinois 60611

Hotel Cutoff is February 11, 2011
Early Bird Registration is February 28, 2011
Online Registration Cutoff is March 7, 2011

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

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

Register Today! www.HL7.org

Health Level Seven® International
Unlocking the Power of Health Information

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What is an Educational Summit?

An HL7 Educational Summit is a two or 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 Meaningful Use, 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**
Chicago, IL – The Hilton Suites Chicago Magnificent Mile is the city’s premier all-suite hotel and is conveniently located in downtown Chicago. The Hilton Suites Chicago/Magnificent Mile hotel is just steps from the Magnificent Mile and all of Chicago’s favorite attractions, including Water Tower Place, American Girl Place, Disney Quest, ESPN Zone, John Hancock Center, the Museum of Contemporary Art and Navy Pier. Enjoy world-class shopping along Michigan Avenue, and experience the food and nightlife of State and Rush Streets or a nice walk along Oak Street beach.

**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 2.6, Clinical Document Architecture (CDA) and Version 3 Reference Information Model (RIM).

**ECONOMICAL**
Educational Summits offer an economical alternative for companies who want the benefits of HL7’s on-site training but have a small number of employees to train.
CANCELLATION/REFUND POLICY
Prepaid registrants who cancel prior to February 28, 2011, will receive a full refund minus a $50 processing fee. After that date no refunds will be given. Tutorials that do not meet minimum attendance requirements may be cancelled. In this event, registrants may attend an alternate tutorial of their choosing or request a refund for the cancelled tutorial only.

HOTEL
The Educational Summit will be held at the Hilton Suites Chicago Magnificent Mile, 198 East Delaware Place, Chicago, Illinois 60611. To reserve your room, please call the hotel directly at +1 (312) 664-1100. Be sure to mention you are with the Health Level Seven room block. The special HL7 rate is $119 plus tax per night. You must register by end of day February 11, 2011 to receive this rate.

GROUND TRANSPORTATION AND PARKING
Midway Airport is 12 miles from the hotel. Transportation options to the hotel are: Super Shuttle ($20), Subway/Rail ($2), or Taxi (approximately $30). O'Hare Airport is 15 miles from the hotel. Transportation options to the hotel are: Super Shuttle ($25), Subway/ Rail ($2), or Taxi (approximately $40).

Valet parking is available at the hotel for $46 per day with in and out privileges.

AIR TRAVEL
To make travel arrangements, attendees can call Conlin Travel at +1 (800) 783-9559 or +1 (734) 677-0900. Be sure to mention Health Level Seven when calling.

MEALS
A continental breakfast and buffet lunch is included with each day’s tutorial registration fee. Refreshment breaks will also be provided each day for registered attendees.

NETWORKING RECEPTION
Don’t miss the HL7 Networking Reception, Tuesday, March 15, 2011, which will be held immediately after the courses conclude for the day.

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 Eastern Standard Time on March 7, 2011, 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 Eastern Standard Time on February 28, 2011, 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 March 15-17, 2011. Payment in full is required at the time of registration.

FOR MORE INFORMATION
Please contact Mary Ann Boyle at: +1 (734) 677-7777 or maryann@HL7.org
### TRACK 1: HL7 Version 2.x and Meaningful Use

**Tuesday, March 15**

**Presentation:** Introduction to HL7  
**Exercise:** When to use which standard

**Break**

**Presentation:** Introduction to HL7 Version 2.x Chapters  
**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, March 16**

**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 lab 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, March 15**

**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 March 16**

**Presentation:** Meaningful Use and HL7 CDA  
**Presentation:** CDA Templates & 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, March 17**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>9:00am–12:30pm</td>
<td>Version 2.6 Control Specialist Certification Exam Review</td>
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<td></td>
<td>CDA Specialist Certification Exam Review</td>
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<tr>
<td>1:30 pm – 3:30 pm</td>
<td>HL7 Version 2.6 Control Specialist Certification Exam</td>
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<td>HL7 CDA Specialist Certification Exam</td>
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<td></td>
<td>HL7 Version 3 RIM Certification Exam</td>
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## HL7 Educational Summit Special Edition: 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 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 specially 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 called out 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, vocabulary
- Basic concepts: Messages, documents, services, transport, content, vocabulary
- HL7 Version 2.x Main Chapters: admission, observations, orders
- Which message to use and when?
- HL7 Version 2.x messages from the inside out: data types, fields, 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

**Tools Needed:**
- Please bring a laptop to the course

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**Faculty:**

- **Mike Henderson:** Co-Chair, HL7 Education Work Group; Principal Consultant, Eastern Informatics
- **AbdulMalik Shakir:** Co-Chair, HL7 Education Work Group; Facilitator, HL7 Modeling and Methodology Work Group; Member, HL7 Architectural review Board; Principal Consultant, Shakir Consulting
- **Diego Kaminker:** Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 e-Learning Course

### TRACK 2

#### HL7 CDA Release 2 and Meaningful Use

The HL7/ASTM CCD (an implementation guide of the Clinical Document Architecture) is called out 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 called out in the stage 1 regulations, there are many other types 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**
- What is HL7?
- Paradigms: messages, documents, services
- Basic concepts: Messages, documents, services, transport, content, 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

**Tools Needed:**
- Please bring a laptop to the course

**Faculty:**

- **Calvin Beebe:** Co-Chair, 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
- **Keith W. Boone:** Director, HL7 Board of Directors; Co-Chair, HL7 Structured Documents Work Group, Interoperability Architect
- **Diego Kaminker:** Chair, HL7 Argentina; Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 e-Learning Course
Version 2.6 Control Specialist Certification Exam Review
Thursday, March 17 / 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 2.6 Standard. Upon completion of this tutorial, students will be better prepared to take the HL7 Version 2.6 Control Specialist Certification Exam. Note that students are also expected to prepare for the exam by previous study of Chapter 2 (Control), Chapter 2A (Data Types) and Chapter 2B (Conformance) of the HL7 Version 2.6 Standard.

This Tutorial Will Benefit:
• Anyone preparing for the HL7 Control Specialist Certification Exam
• Interface analyst specialists and managers who need to understand the technical aspects of HL7 interfaces

Tools Needed:
• Please bring a laptop to the course

Faculty:
Mike Henderson: Co-Chair, HL7 Education Work Group; Principal Consultant, Eastern Informatics

CDA Specialist Certification Exam Review
Thursday, March 17 / 9:00 am – 12:30 pm

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

This Tutorial Will Benefit:
• Anyone preparing for the CDA Certification Exam
• System Analysts or Clinical Application Developers wanting in-depth understanding of the CDA Release 2 Standard

Prerequisites:
• Participants are encouraged to read carefully the CDA Release 2 Standard
• Introduction to Version 3 (Part I) as well as the CDA Introductory and Advanced tutorials are strongly recommended

Tools Needed:
• Please bring a laptop to the course

Faculty:
Calvin Beebe: Co-Chair, 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 2.6 Control Specialist Certification Exam
Thursday, March 17 / 1:30 pm – 3:30 pm

Health Level Seven is pleased to offer certification testing on HL7 Version 2.6, 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 exam 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 2.6 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 exam.

HL7 CDA Specialist Certification Exam
Thursday, March 17 / 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 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 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 exam.

HL7 Version 3 RIM Certification Exam
Thursday, March 17 / 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 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 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 exam.
EARLY BIRD prices are reflected in RED below. EARLY BIRD registrations with payment must reach us by the end of the day, ET on February 28, 2011. Advance registration must be received with payment by the end of the day, ET on March 7, 2011. After this date, registrations must be made and paid for ON-SITE ONLY. The registration fee includes a buffet lunch and two refreshment breaks each day.

1. Contact Information:

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2. Registration Fees:

You must register for the certification exam review tutorials and certification exam separately from the track selection option.

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<tr>
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- 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 organizational member or member of another eligible organization (ADA, AHIP, ASTM, ASCX12, Blue Cross/Blue Shield, IEEE, IHE, CDISC, Continua Health Alliance, GS1, DICOM, EHI, Medbiquitous, CEN, OMG, NCPDP, SAFEBioPharma, SNOMED, or Wedi) and eligible for the member rate. Please list affiliate or organization: ____________________________

3. Payment Information:

Payment must be included in order to process your registration.

**Method of Payment:** (U.S. Dollars, drawn on U.S. Bank Only)
- Check (Make check payable to Health Level Seven International)
- Credit Card:  
  - Visa  
  - Master Card  
  - Discover  
  - American Express

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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. Please bring your confirmation materials to the meeting with you.
Located on the shores of Lake Michigan, Chicago is home to the blues, world-class sports teams, an internationally acclaimed symphony orchestra, spectacular live theater, celebrated architecture, thousands of restaurants, fine museums and an array of shopping.

Visitors should plan on spending time at Chicago’s Museum Campus. The scenic park conveniently joins the Adler Planetarium & Astronomy Museum, the Shedd Aquarium/Oceanarium, and the Field Museum of Natural History with easy access to all three locations.

In addition to world-renowned museums, Chicago is home to a variety of spectacular attractions including Navy Pier, the city’s lakefront playground. Other compelling attractions include Buckingham Fountain at Grant Park, the Hancock Observatory, the Sears Tower Skydeck, Lincoln Park Zoo, and the Art Institute of Chicago.

Chicago truly is the great American City...from stunning architecture and world-famous museums to lakefront parks and vibrant neighborhoods, Chicago offers a range of attractions that keep visitors coming back again and again!

Copy and photos courtesy of the Chicago Convention and Tourism Bureau.