Health Level Seven® International
Unlocking the Power of Health Information

HL7 FHIR® INSTITUTE & MEANINGFUL USE STANDARDS IMPLEMENTATION WORKSHOP

Choose Your Topic—Version 2, FHIR®, CDA® or QRDA

July 7–10, 2014
Hyatt Regency Cambridge
575 Memorial Drive
Cambridge, MA, 02139

Early Bird Registration Cutoff is June 20, 2014
Hotel Cutoff is June 23, 2014
Online Registration Cutoff is June 27, 2014

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

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The FHIR flame image is a trademark of Health Level Seven International.
What is the HL7 FHIR® Institute?
The HL7 FHIR® Institute provides resources and training for the next generation standards framework created by HL7: Fast Healthcare Interoperability Resources or FHIR®. The FHIR Institute focuses on helping the industry understand why this standard is so important, its power to change and improve the current interoperability landscape, and on helping students master its implementation. Training at the FHIR Institute includes both face-to-face and virtual events and is targeted at software developers, implementers and executives. Learn about FHIR straight from the source at FHIR® Institute programs delivered by expert FHIR standard developers.

What is an Implementation Workshop?
An HL7 Implementation Workshop is a three-day educational event where live, interactive, hands-on workshops, 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. The workshops allow attendees to get in-depth hands-on training in addition to presentation style tutorials. These workshops focus on HL7 specific topics such as Version 2, Quality Reporting Document Architecture (QRDA), and Clinical Document Architecture (CDA®).

Why should I attend?
This is an invaluable educational opportunity for members of the healthcare IT community who want to learn how to implement the standards as we strive for greater interoperability among healthcare information systems. Our workshops 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 this program are:

**Location**
Cambridge, MA—The Hyatt Regency Cambridge Hotel is located just seven miles from the Logan International Airport. The hotel is only a few blocks away from Harvard Square, Faneuil Hall, Boston Public Garden, sports events (Red Sox, Celtics, Patriots, Bruins), fine art museums, shopping and dining. Minutes from Boston, the Hyatt Regency Cambridge hotel is located along the scenic Charles River overlooking the Boston skyline and is in the midst of two uncommonly exciting cities, Boston and Cambridge. Each exhibits a unique blend of old world charm coupled with youthful, contemporary sophistication. Cambridge is the spirit side of Boston and just a bridge away on the historic side.

**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 develop 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). All exams are electronic. Your laptop MUST have Microsoft Internet Explorer (IE) installed.

**Economical**
Implementation Workshops offer an 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 June 20, 2014 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 implementation workshop will be held at the Hyatt Regency Cambridge Hotel, 13575 Memorial Drive, Cambridge, MA, 02139. To reserve your room, please call the hotel directly at +1 (888) 421-1442 or go online at https://resweb.passkey.com/go/1474d115 and enter the group code HL7 to apply our room rates. Be sure to mention you are with the Health Level Seven International room block if you call. The special HL7 rate is $219 plus tax per night. You must register by end of day E.T. on Monday, June 23, 2014 to receive this rate.

Ground Transportation and Parking
Taxi fare from the Logan International Airport to the hotel is approximately $35. The charge for parking at the hotel is $25 per day with in and out privileges. This is a lower rate, so be sure to tell them you are with Health Level Seven. There is also an airport Subway (seven stops), an above ground BU Central Green Line (seven stops), and an Underground Harvard Square or Kendall Square Red Line Subway that costs $1.25.

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. A Networking Reception will be held Tuesday evening after class.

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 E.T. on June 27, 2014 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.

For more information, please contact Mary Ann Boyle at: +1 (734) 677-7777 ext. 141 or maryann@HL7.org
About FHIR
Designed with a focus on simplicity and ease of implementation, the Fast Healthcare Interoperability Resources (FHIR) standard is an exciting new addition to the HL7 standards platform. FHIR combines the best features of HL7 standards with the latest web technologies to make interoperable healthcare applications dramatically simpler, easier, and faster to develop. For applications based on earlier HL7 standards, FHIR offers a cost-effective evolutionary path.

FHIR solutions are built from a set of modular components called “Resources”. These resources can easily be assembled into working systems that solve real world clinical and administrative problems at a fraction of the price of existing alternatives. FHIR is suitable for use in a wide variety of contexts – mobile phone apps, cloud communications, EHR-based data sharing, server communication in large institutional healthcare providers, and much more.

FHIR Certificate of Completion
The FHIR Institute consists of two tracks: Executive and Hands-On. Courses are designed for all stakeholder groups to gain knowledge, skill and practice with FHIR, based on their particular needs. To earn a FHIR Institute Certificate of Completion, students must attend all courses within their track as specified in the course list.

The Executive track courses give high level knowledge about what FHIR is, why it’s important, its impact on current and future policy and practical examples. In addition to this information, the Hands-On track gives the technical foundations for architects and implementers along with how to develop FHIR profiles.

Schedule at a Glance

FHIR Executive Track
Monday, July 7 / 9:00 am – 5:00 pm
- 9:00 – 12:30 pm  HL7 FHIR for Executives
- 1:45 – 5:00 pm  FHIR Architectural Approaches

Hands-On Track: FHIR Implementation Workshop (2 day event)
Tuesday, July 8 / 8:30 am – 5:30 pm
- Presentation: Introduction
- Exercise: Solving problems with FHIR
- Break
- Presentation: Drilling into resources
- Exercise: Craft a resource instance
- Lunch
- Presentation: RESTful FHIR
- Exercise: CRUD operations with FHIR
- Break
- Presentation: Searching with FHIR
- Exercise: Perform FHIR queries

Wednesday, July 8 / 8:30 am – 5:30 pm
- Presentation: FHIR messages and documents
- Exercise: Create a FHIR document
- Break
- Presentation: Advanced FHIR and architectural approaches
- Lunch
- Presentation: Profiles and conformance
- Exercise: Define a FHIR profile (with extensions)
- Break
- Presentation: Implementing FHIR
- Exercise: Build a simple FHIR client (using libraries)
FHIR Executive Track

HL7 FHIR® for Executives
Monday, July 7 / 9:00 am – 12:30 pm

FHIR is the newest interoperability platform from HL7, building on the strengths of Version 2 and the Clinical Document Architecture (CDA®), while supporting modern interchange technologies and significantly easing implementation. Topics covered include the following:

- Why FHIR?
- What's different about FHIR?
- Relationships with Version 2, Version 3 and CDA
- Business cases for FHIR adoption
- Status and future plans
- Risks and mitigations

This Track Will Benefit:
- Managers and executives

Upon Completion of This Track, Students Will Know:
- What FHIR is
- How FHIR can be used without getting bogged down in the technical details

Faculty:
Lloyd McKenzie: Co-Chair, FHIR Management Group; Co-Chair, HL7 Modeling & Methodology Work Group; Member, FHIR Editorial Team; Consultant, Gordon Point Informatics

FHIR Implementation Workshop
Tuesday – Wednesday, July 8-9 / 8:30 am – 5:30 pm

This workshop includes a mixture of interactive presentations and hands-on exercises that will bring implementers and decision makers up to speed on the rapidly evolving standard. Attendees will walk away from this workshop ready to use the standard in their own workplace environments.

This Track Will Benefit:
- Those who will be directly implementing FHIR interfaces as well as architects and project leads who will be making decisions about where/how FHIR might be used within an organization

Upon Completion of This Track, Students Will Be Able To:
- Explain how FHIR may be used in different interoperability paradigms
- Describe how FHIR can fit in different locations in the architectural stack
- Identify architectural considerations that apply to FHIR
- and determine how best to address those in their own FHIR solutions
- Provide an exploration of the use of FHIR for persistence, decision support and other “non-exchange” purposes
- Give guidance on if, when and how FHIR might be used within their own organization
- Understand how FHIR solutions can co-exist with and interoperate with other interoperability solutions (Version 2, CDA, Version 3, DICOM and OpenEHR)

Faculty:
Lloyd McKenzie: Co-Chair, FHIR Management Group; Co-Chair, HL7 Modeling & Methodology Work Group; Member, FHIR Editorial Team; Consultant, Gordon Point Informatics

Hands-On Track

HL7 FHIR® Architectural Approaches
Monday, July 7 / 1:45 pm – 5:00 pm

FHIR is attracting a great deal of attention as the next “great thing” in healthcare interoperability. This course will help participants understand where and how FHIR might fit into their healthcare interoperability environment and give them the tools they need to make judgments about when or if FHIR might be an appropriate solution for their healthcare IT needs.

This tutorial will include an examination of the REST, document, messaging and services interoperability paradigms. The presentation will also cover other aspects of FHIR that may influence system architecture and design.

This Track Will Benefit:
- CEO's
- CIOs
- Architects
- Development Leads
- Anyone who is interested in exploring the various architectural options available to FHIR based interoperability solutions

Upon Completion of This Track, Students Will Know:
- What is HL7 FHIR?
- How do I navigate the FHIR specification?
- How does FHIR compare to other HL7 standards (Version 2, Version 3, CDA, etc.)?
- What are the target implementation environments for FHIR?
- What are resources and how are they structured?
- How can FHIR's RESTful interface be used to manage and query resources?
- How are the document, messaging and services paradigms supported by FHIR?
- Advanced FHIR topics such as contained resources, order/order response, operation outcome, etc.
- What are some of the architectural strategies that can be used for FHIR solutions?
- How can the FHIR libraries be used to jump-start the development of FHIR applications?

Prerequisites:
- Familiarity with XML or JSON and some background in software development is recommended (Hands-on exercises will be easier if attendees have an XML or JSON editing environment)

Faculty:
Lloyd McKenzie: Co-Chair, FHIR Management Group; Co-Chair, HL7 Modeling & Methodology Work Group; Member, FHIR Editorial Team; Consultant, Gordon Point Informatics
Meaningful Use Implementation Workshop

**HL7 Version 2.x & Meaningful Use Track**
Tuesday, July 8 / 8:30 am – 5:30 pm

**Presentation:** Introduction to HL7
**Exercise:** Define key participants and functions in an exchange

**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 for a given use case

**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**

**Exercise:** Identify misused data types, and update an example

**Presentation:** Meaningful Use and HL7 Version 2.x

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**HL7 CDA® Release 2 & Meaningful Use Track**
Tuesday, July 8 / 8:30 am – 5:30 pm

**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)

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**Wednesday, July 9 / 8:30 am – 5:30 pm**

**Presentation:** HL7 Version 2.x Implementation Guides – Covers key parts of an implementation guide and provides examples

**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 walk through of 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

**Break**

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

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**Wednesday, July 9 / 8:30 am – 5:30 pm**

**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
**Quality Reporting Document Architecture (QRDA) & Meaningful Use Track**

**Tuesday, July 8 / 8:30 am – 5:30 pm**

- **Presentation:** Introduction to HL7
- **Presentation:** What is QRDA and QRDA Category I
- **Break**
- **Exercise:** Identify key components needed for populating QRDA Category I headers
- **Presentation:** QRDA Sections and Entries
- **Lunch**
- **Exercise:** Creating QRDA sections and entries
- **Presentation:** QRDA in Meaningful Use
- **Break**
- **Exercise:** Creating a Meaningful Use Compliant QRDA Document (HEADER)
- **Exercise:** Creating a Meaningful Use Compliant QRDA Document (BODY)
- **Break**
- **Presentation:** QRDA Category 3
- **Presentation:** Creating QRDA Category 3 Documents

**Wednesday, July 9 / 8:30 am – 5:30 pm**

- **Presentation:** Turning QRDA Category 1 Patient Level Reports into a QRDA Category 3 Aggregate Reports
- **Exercise:** Aggregating QRDA Category 1 to QRDA Category 3
- **Break**
- **Presentation:** Interpreting HQMF Implementation in Meaningful Use to create meaningful QRDA reports
- **Lunch**
- **Exercise:** Aggregating QRDA Category 1 to QRDA Category 3 Advanced
- **Break**
- **Exercise:** Aggregating QRDA Category 1 to QRDA Category 3 Advanced Continued
- **Wrap Up**

**Thursday, July 10**

- **9:00 am – 12:30 pm**
  - Version 2.7 Control Specialist Certification Test Review
  - CDA Specialist Certification Test Review
  - Quality Reporting Document Architecture
- **1:30 pm – 3:30 pm**
  - HL7 Version 2.7 Control Specialist Certification Test
  - HL7 CDA Specialist Certification Test
  - HL7 Version 3 RIM Certification Test

**HL7 EVENTS ARE GREEN!**

*Bring Your Laptop to Your Tutorials and Your Certification Exams!*

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 with a provided flash drive that will be distributed on site. It is important that you bring your laptop to this meeting for all tutorials. Free WIFI internet access will also be provided.
HL7 and Meaningful Use
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.

HL7 Version 2.x and Meaningful Use Track
Tuesday – Wednesday, July 8-9 / 8:30 am – 5:30 pm

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, Technical and Support Services Steering Division – HL7 Technical Steering Committee; Co-Chair, Education Work Group; Co-Chair, HL7 Structured Documents Work Group; Sole Proprietor, ICode Solutions

HL7 CDA® Release 2 and Meaningful Use Track
Tuesday – Wednesday, July 8-9 / 8:30 am – 5:30 pm

The HL7 C-CDA®, an implementation guide of the Clinical Document Architecture, was referenced for data portability, transitions of care, view, download and transmit to third parties, and clinical summary requirements for Meaningful Use Stage 2 certification. The focus of the course will be to provide hands on experience with CDA, enabling participants working in small teams, to create CDA document instances, starting with simple examples, and working towards creation of full C-CDA documents. Along the way we will review concepts related to interoperability, overview the CDA standard including its data types, header elements, narrative constructs, and reference the constraint specifications in the C-CDA implementation guide to create conformant C-CDA documents.

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, 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 C-CDA, including CCD templates
• HL7, meaningful use and vocabularies

Faculty:
Calvin Beebe: Treasurer, HL7 International Board of Directors; Co-Chair, HL7 Structure & Semantic Design Steering Division – HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group; Co-Editor, CDA; Technical Specialist, Information Services, Mayo Clinic – Rochester, MN
Quality Reporting Document Architecture (QRDA) Track
Tuesday – Wednesday, July 8-9 / 9:00 am – 5:30 pm

This track will describe constraints on the Clinical Document Architecture Release 2 (CDA R2) header and body elements for Quality Reporting Document Architecture (QRDA) documents. QRDA is a document format that provides a standard structure with which to report quality measure data to organizations that will analyze and interpret the data. Quality measurement in healthcare is complex. Accurate, interpretable data efficiently gathered and communicated is key in correctly assessing that quality care is delivered.

The standard has been named as one of the requirements for EHR certification in the Meaningful Use Stage 2/3 Standards certification criteria.

This Track Will Benefit:
• Users, implementers and developers of health IT solutions aiming to generate quality reports that are syntactically and semantically valid

Upon Completion of This Tutorial, Students Will Know:
• How to use a standard structure with which to report quality measure data to organizations that will analyze and interpret the data

Prerequisites:
• Participants are encouraged to carefully read the HQMF Release 1 standard
• Participants are encouraged to carefully read the QRDA standard

Faculty:
Chris Millet: Co-Chair, HL7 Clinical Quality Information Work Group; Founder of Lazy; Former Senior Director of e-Measurement at the National Quality Forum

CDA Specialist Certification Test Review
Thursday, July 10 / 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:
Patrick Loyd: Co-Chair, Technical and Support Services Steering Division – HL7 Technical Steering Committee; Co-Chair, Education Work Group; Co-Chair, HL7 Structured Documents Work Group; Sole Proprietor, ICode Solutions

Version 2.7 Control Specialist Certification Test Review
Thursday, July 10 / 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

Prerequisites:
• Participants are encouraged to carefully read the HQMF Release 1 standard
• Participants are encouraged to carefully read the QRDA standard

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

Health Quality Measure Format (HQMF)
Thursday, July 10 / 9:00 am – 12:30 pm

Clinical Quality Measures (CQMs) help in measuring the quality of healthcare provided to a patient. The Health Quality Measures Format (HQMF) is HL7’s specification for defining the structure and content of a CQM. It is based on the HL7 Reference Information Model (RIM) just like CDA is, but uses that model to define all the information necessary to compute a quality measure and produce a mathematical result. This tutorial serves as an introduction to HQMF R1 and R2 and their design, and their use in quality measurement. The tutorial primarily covers the HQMF R2 architecture, and technical specification, the role it plays in the quality measurement space, and its relationship to other quality measurement standards, including the HL7 QDM-based HQMF R2 implementation guide (a US-realm guide for HQMF).

This Tutorial Will Benefit:
• New implementers, measure developers, policy makers, standards developers
Upon Completion of This Tutorial, Students Will Have:

- Knowledge of the history and design of HQMF R1 and R2
- The ability to explain the structure of an HQMF R2 document and a clinical quality measure
- Skills necessary to understand the HQMF R2 standard and its related implementation guides
- Knowledge of where HQMF R2 fits into the clinical quality workflow

Faculty:

Chris Millet: Co-Chair, HL7 Clinical Quality Information Work Group; Founder of Lazy; Former Senior Director of e-Measurement at the National Quality Forum

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HL7 Version 2.7 Control Specialist Certification Test
Thursday, July 10 / 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: You will need to bring your laptop to take the exam. We have changed to online certification.

Note: Simply taking the courses offered at this workshop 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.

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HL7 CDA Specialist Certification Test
Thursday, July 10 / 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: You will need to bring your laptop to take the exam. We have changed to online certification.

Note: Simply taking the courses offered at this workshop 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.

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HL7 Version 3 RIM Certification Test
Thursday, July 10 / 1:30 pm – 3:30 pm

Health Level Seven is pleased to offer certification testing on the HL7 Version 3 Reference Information Model (RIM) 2.36. 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: You will need to bring your laptop to take the exam. We have changed to online certification.

Note: Simply taking the courses offered at this workshop 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.
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 June 20, 2014. Advance registration must be received with payment by the end of the day, E.T. on June 27, 2014. 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:

First Name  Last Name  Nickname  
Title/Position  Organization  Email  
(Address)

City  State  Zip  Country  
Telephone    Fax

2. Registration Fees:

The FHIR tutorials, HQMF and HL7 certification test review tutorials, and certification testing are not included in the packages and must be registered for separately.

**HL7 FHIR Institute**

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**Meaningful Use Standards Implementation Workshop**

Track:

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<td>Version 2 Track (2 days):</td>
<td>□ $1,425 □ $1,705</td>
<td>□ $2,140 □ $2,560</td>
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<th>Members</th>
<th>Non-Members</th>
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<td>Version 2.7 Control Specialist Test Review:</td>
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<td>CDA Specialist Test Review:</td>
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TOTAL:  
Member: ________________________  Non-Member: ________________________

Primary employment type:  
☐ Academia  ☐ Health Professional  ☐ Provider  
☐ Consultant  ☐ Payer  ☐ Vendor  
☐ Government  ☐ Pharmacy  ☐ Other: ________________________

☐ 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, CDISC, CHCF, Cientis Technologies, Inc., CILS, CHA, DICOM, eHI, GSI, ICH, IEEE, IHE, IHTSDO, OMG, The Health Story Project, 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)  ☐ Check (Make check payable to Health Level Seven International)

Credit Card:  ☐ Visa  ☐ Master Card  ☐ Discover  ☐ American Express

Number  Exp. Date  Zip Code

Name on Card (please print)  Billing Street Address

Register Online: www.HL7.org

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.
Cambridge is the spirited, slightly mischievous side of Boston, located just a bridge away on the other side of the Charles River. Packed with international flair and a youthful vitality, Cambridge is a city where counter culture lives, classic culture thrives, and multi-culture is a way of life.

Cambridge offers an exciting multicultural setting where visitors from around the world mingle in the shadow of two of the world’s premier educational institutions: Harvard University and the Massachusetts Institute of Technology (MIT). Teeming with cafes, bookstores, and boutiques, Cambridge is often referred to as “Boston’s Left Bank.”

The Boston area’s premier attraction, the Freedom Trail, is a walking tour through historic Boston, encompassing 16 of the most treasured sites in American history. The Freedom Trail is an actual red line painted on the sidewalks and streets of Boston. Besides guiding a visitor to the historic sites, the Freedom Trail is an excellent way to tour the city as it winds through many diverse neighborhoods.

Visitors to the Boston area are never at a loss for something to do. Boston’s many museums, concert halls, theaters, and nightclubs are always abuzz with activity and excitement. From the internationally acclaimed Museum of Fine Arts, the Museum of Science and the John F. Kennedy Library & Museum, to the famous Boston Symphony Orchestra and Boston Pops, to an abundant local and pre-Broadway theater scene, Boston’s cultural and entertainment options are bountiful.

Known as the “Athens of America,” Boston’s renowned medical and educational institutions have helped to make it an international center of learning and intellectual activity. The metropolitan area’s 35 hospitals and more than 60 colleges and universities are a vast resource.

Copy and photos courtesy of the Cambridge Office of Tourism and the Greater Boston Convention & Visitor’s Bureau.