HL7 FHIR® INSTITUTE & MEANINGFUL USE STANDARDS IMPLEMENTATION WORKSHOP

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

November 10–13, 2014
The Benson Hotel
309 SW Broadway
Portland, OR 97205

Hotel Cutoff is October 17, 2014
Early Bird Cutoff is October 24, 2014
Online Registration Cutoff is October 31, 2014

Gain In-Depth HL7 Knowledge & Certification Straight from the Source
HL7 is the Sole Source for HL7 Certification Testing! See inside for details.

Health Level Seven® International
Unlocking the Power of Health Information

Register Today! www.HL7.org

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The FHIR flame image is a trademark of Health Level Seven International.
What is the 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 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, Version 3, QRDA, Clinical Document Architecture (CDA®) and FHIR.

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
Portland, OR—Explore all Portland has to offer from one of the city’s most treasured historic landmarks. Founded in 1913, The Benson features elegant European design with a host of modern amenities. See why U.S. Presidents and CEOs have made The Benson their home away from home for a hundred years—and why The Oregonian voted it Best Portland Hotel in 2012. The superb location puts you within walking distance to all of the shopping, dining, and entertainment of the Pearl District, Pioneer Square, and downtown. Famous boutiques, bookstores, breweries, and performing arts are just steps away.

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 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 October 24, 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 Benson Hotel, 309 SW Broadway, Portland, OR, 97205. To reserve your room, please call the hotel directly at +1 (888) 523-6766 or go online at http://coa.st/t3rg. If you book your room via the online link and receive a message that “rooms are no longer available,” please contact the hotel directly to make your reservations. Be sure to mention you are with the Health Level Seven International room block if you call. Please contact the hotel directly if you wish to reserve your room prior to November 10 or after the night of November 13 rather than reserve online. The special HL7 rate is $159 plus tax per night. You must register by end of day ET on Friday, October 17, 2014 to receive this rate.

Ground Transportation and Parking
The airport is approximately 10 miles from The Benson Hotel. Tri-Met operates MAX Light Rail, located near the airport baggage claim area and provides transportation from the airport to downtown in just 38 minutes for $2.50 for an all zone ticket. Blue Star operates a shuttle round trip from the airport to the hotel available at $14 each way or $24 round trip, stopping at The Benson every half hour from 5 am until 5 pm, in addition to prescheduled pickups. The Benson is the first stop from the Airport and the last stop from Downtown, so this is a convenient and time-saving option. Taxi fare from the airport to the hotel is approximately $40.

The charge for parking at the hotel is $33 per day with in and out privileges.

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 October 31, 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.

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HL7 FHIR® Institute

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Schedule at a Glance

**FHIR Executive Track**
Monday, November 10 / 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, November 11 / 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, November 12 / 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)
HL7 FHIR® for Executives
Monday, November 10 / 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 Tutorial 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, November 11-12 / 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)

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

HL7 FHIR® Architectural Approaches
Monday, November 10 / 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 Tutorial Will Benefit:
- CEOs
- 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 Be Able To:
- 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, November 11 / 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

Wednesday, November 12 / 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

Presentation: HL7, Meaningful Use and Vocabularies
Exercise: Vocabulary overview and search exercise

HL7 CDA® Release 2 & Meaningful Use Track
Tuesday, November 11 / 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 incorrectly used CDA data types and how to make corrections

Break

Presentation: CDA Structure: Body and Header
Exercise: 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, November 12 / 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, November 10 / 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

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**Thursday, November 13**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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| 9:00 am – 12:30 pm | Version 2.7 Control Specialist Certification Test Review  
CDA Specialist Certification Test Review  
Health Quality Measure Format |
| 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 |

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**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 on a 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.

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**HL7 Version 2.x and Meaningful Use Track**
**Tuesday – Wednesday, November 11-12 / 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 with limited or no experience using 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

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**HL7 CDA® Release 2 and Meaningful Use Track**
**Tuesday – Wednesday, November 11-12 / 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 is 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 with limited or no experience using 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, and 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:**
- **Brett Marquard:** Co-Chair, Structured Documents Work Group; Principal, River Rock Associates

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**HL7 CDA® Release 2 and Meaningful Use Track**
**Tuesday – Wednesday, November 11-12 / 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 is 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 with limited or no experience using 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, and 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, November 11-12 / 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 is 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 Health Quality Measure Format (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, November 13 / 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
• Interface analyst specialists and managers who need to understand the technical aspects of HL7 interfaces

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

Health Quality Measure Format (HQMF)
Thursday, November 13 / 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 is an introduction to HQMF R1 and R2 and their design and use in quality measurement. The tutorial 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
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

HL7 Version 2.7 Control Specialist Certification Test
Thursday, November 13 / 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 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.

HL7 CDA Specialist Certification Test
Thursday, November 13 / 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.
EARLY BIRD prices are reflected in RED below. EARLY BIRD registrations with payment must reach us by the end of the day, ET on October 24, 2014. Advance registration must be received with payment by the end of the day, ET on October 31, 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:

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<thead>
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<th>Last Name</th>
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<td>(This name will appear on your badge.)</td>
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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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<th>Executive Track:</th>
<th>Members Early Bird</th>
<th>Members Standard Rate</th>
<th>Non-Members Early Bird</th>
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<td>HL7 FHIR for Executives:</td>
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**Hands-On Track:**

| FHIR Implementation Workshop (2 days): | Members $1,425 | Members $1,705 | Non-Members $2,140 | Non-Members $2,560 |

**Meaningful Use Standards Implementation Workshop**

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<td>$1,705</td>
<td>$2,140</td>
<td>$2,560</td>
</tr>
<tr>
<td>QRDA Track (2 days):</td>
<td>$1,425</td>
<td>$1,705</td>
<td>$2,140</td>
<td>$2,560</td>
</tr>
</tbody>
</table>

| Version 2.7 Control Specialist Test Review: | Members $300 | Members $400 | Non-Members $400 | Non-Members $500 |
| CDA Specialist Test Review: | $300 | $400 | $400 | $500 |
| Health Quality Measure Format: | $300 | $400 | $400 | $500 |
| HL7 Version 2.7 Certification Test: | $199 | $199 | $350 | $350 |
| HL7 CDA Certification Test: | $199 | $199 | $350 | $350 |
| HL7 V3 RIM Certification Test: | $199 | $199 | $350 | $350 |

**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., CLSI, 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  

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

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.

Register Online: www.HL7.org
Portland, OR

With day trips that delight and a nightlife that bedazzles, Portland is a welcoming destination, anytime

Maybe you’ve heard that the city of Portland, Oregon, has been proclaimed as North America’s “Best Big City,” according to Money magazine. One visit will explain why. Set against the backdrop of majestic Mount Hood, Portland combines a sophisticated, cosmopolitan atmosphere with refreshingly friendly, small-town warmth that makes it a natural for tours of all types. Visitors can cruise our scenic rivers, stroll through gardens and parks, shop tax-free in our tempting array of stores and boutiques, then wrap up the day with world-class dining and entertainment.

Portland is compact, but it packs a punch, with lots of great attractions, shops and restaurants clustered in and around the central city. Easily walkable blocks and a comprehensive public transit system make reaching the city’s top sites a snap. And it’s just a short jaunt from the urbane offerings of downtown to up-and-coming eastside neighborhoods. Stroll from the world’s largest independent bookstore or visit the International Test Rose Garden in this “City of Roses.”

Portland offers a selection of cultural offerings one would expect to find in a city twice its size: an established regional theater (Portland Center Stage), a resident symphony (Oregon Symphony), an opera company (Portland Opera), as well as a collection of more specialized cultural organizations. Nowhere is Portland’s trademark eclecticism more apparent than in its live music scene which is embraced both by local fans and the many noted musicians who call Portland home.

Portland is often referred to as the “Greenest City in America” and ranks among the world’s greenest cities. Known for its green spaces and proximity to natural wonders like the Columbia River Gorge and Mount Hood, Portland is also just a short distance from Willamette valley wineries, skiing at Timberline Lodge and all of the excitement and beauty of Oregon’s spectacular ocean beaches.

Eastside, Westside, all around the town and the area – you’ll find endless things to see, sample, savor and share because Portland, Oregon attractions abound, year-round!

Photos and copy courtesy of Travel Portland.