



Health Level Seven® International

Unlocking the Power of Health Information



WORKING GROUP MEETING

January 27—February 2, 2018

Hilton New Orleans Riverside • New Orleans, LA

Register Today!

Early Bird Registration & Hotel Cutoff: January 8, 2018

Online Registration Cutoff: January 15, 2018



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TUESDAY NIGHT PARTY



Meeting Schedule Key

- Q1 = 9:00 am – 10:30 am
- Q2 = 11:00 am – 12:30 pm
- Q3 = 1:45 pm – 3:00 pm
- Q4 = 3:30 pm – 5:00 pm

Upcoming Co–Chair Elections

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

Work Group	# being elected
Anesthesia	1
Attachments	2
Biomedical Research & Regulation	1
CIMI	2
Clinical Decision Support	1
Clinical Genomics	1
Clinical Interoperability Council	1
Clinical Statement	1
Community-Based Care and Privacy	1
Education	1
Electronic Health Record	3
Electronic Services and Tools	1
Emergency Care	1
Health Care Devices	1
Imaging Integration	1
Implementable Technology Specifications	1
Infrastructure & Messaging	1
Patient Administration	2
Patient Care	1
Project Services	1
Security	3
Services Oriented Architecture	1
Structured Documents	1
Vocabulary	2

Payer Summit

Monday, January 29 — Tuesday, January 30, 2018

Day 1: Monday, January 29

8:15 – 9:00 AM

KEYNOTE:

How Standards and Technology are Playing a Vital Role in Addressing the Opioid Crisis

Speaker:

Kensaku Kawamoto, MD, PhD

Director, Knowledge Management and Mobilization University of Utah Health Care (invited)

9:00 – 10:30 AM

Hot New Trends Panel

- **Integrating Clinical Data into a Payer Organization**

Speaker:

Patrick Murta, Humana (invited)

- **Wearable Devices**

Speaker:

Brian Ahier, Aetna (invited)

- **Precision Medicine**

Speaker:

Matt Might, PhD, Director, Hugh Kaul Personalized Medicine Institute, University of Alabama at Birmingham

10:30 – 11:00 AM

Break

11:00 – 12:30 PM

Value-Based Care Use Cases and Related Industry Initiatives

- **ONC FHIF Interoperability Taskforce**

Speakers:

Steve Posnack, MS MHS, Director, Office of Standards and Technology, ONC (invited)

Paul Oates, CIGNA

- **Health Story**

Speaker:

Lisa Nelson, Principal Consultant, Life Over Time Solutions, LLC

- **Partners/CIIC**

Speakers:

Joeyln Keegan, Senior Consultant, Point-of-Care Partners
Stan Huff, MD, Chief Medical Informatics Officer, Intermountain Healthcare

Russ Leftwich, MD, Senior Clinical Advisory for Interoperability, InterSystems

- **HSPC**

Speaker:

Laura Heerman Langford, RN, PhD, Chief Operating Officer, HSPC

12:30 – 1:45 PM

Lunch

1:45 – 3:00 PM

Gold Sponsor Solution Sessions

3:00 – 3:30 PM

Break

3:30 – 5:00 PM

FHIR Application Roundtable Best in Show Winners

- **Showing app on integrating clinical data into a payer organization**

Speaker:

Mark Braunstein, MD, Professor of the Practice, George Tech College of Computing

- **FHIR based approach to provide payer derived gaps in care, HCCs, medication lists, health history, med adherence issues, etc**

Speaker:

Paul Murta, Humana (invited)

- **TIBCO**

Speaker:

Barb Spears (invited)

- **Other presenters as identified at the upcoming FHIR Applications Roundtable**

5:00 – 6:00 PM

Networking Reception

Day 2: Tuesday, January 30

Choose your own HL7 educational session

Attendees at the payer summit receive one tutorial of their choosing on Tuesday morning. Please see pages 5-21 to review the tutorial offerings and schedule. Please note that space is limited for these sessions.

Choose from:

- FHIR for Architects (T7)
- Introduction to Clinical Document Architecture (T8)
- Attachments for Reimbursement, Authorization, and Referrals: Overview for Managers, Architects and Implementers (T9)

What is a Working Group Meeting?

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

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

Standards Development

More than 40 HL7 work groups are dedicated to specialized areas of interest such as Mobile Health and Electronic Health Records. These work groups are directly responsible for the content of the standards and spend much of their time at the working group meetings hard at work on standards development. Attending a work group meeting can be a great way to keep up-to-date on what is happening in a particular area, and everyone attending an HL7 working group meeting is invited to attend any of the work group meetings.

Please see pages 24–28 for a complete schedule of meeting times throughout the week.

Education Tracks

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

Track 1 – FHIR®

This track provides tutorials and other activities focused on HL7's new Fast Healthcare Interoperability Resources (FHIR®) standard. It includes a mixture of tutorials, hands-on development at the Connectathon, and interactive presentations to bring implementers and decision makers up to speed and ready to use the standard in their own environments.

Track 2 – CDA® & C-CDA®

HL7's Clinical Document Architecture (CDA®), is a Version 3 standard. The CDA is a document that specifies the structure and semantics of “clinical documents” for the purpose of exchange between healthcare providers and patients. Tutorials in this track provide introductory and advanced education on the CDA as well as the Consolidated (C-CDA) implementation guide and template design, among others. It concludes with classes that address strategies for implementation.

Educational Sessions

Numerous educational opportunities will be offered at this WGM. Sessions will cover a full range of HL7-specific topics such as Version 2.x Implementation, the Clinical Document Architecture (CDA®), Fast Healthcare Interoperability Standards (FHIR®), among others. Educational sessions also include industry topics such as Electronic Health Records and Vocabulary Terminology. For a full listing of course descriptions, please see pages 5–21.

Clinicians on FHIR®

Clinicians on FHIR was created by the Patient Care Work Group (PCWG) as an exercise for those familiar with clinical workflows to challenge FHIR resources and build simple FHIR profiles around abbreviated clinical use cases. The primary focus has been on clinical FHIR resources as a means to inform PCWG in the curation and validation of these resources. This is NOT a tutorial or workshop and participants are expected to have knowledge of clinical workflows and to have a fundamental knowledge of the FHIR standard. Orientation materials and a planning agenda are available on the HL7 Patient Care Wiki under Clinicians on FHIR.

Track 3 – General Interest & Special Topics

The General Interest & Special Topics track offers a variety of electives that may involve multiple standards product families, general topics such as security, vocabulary and interoperability or highlight niche standards such as the EHR System Functional Model. It provides introductory classes for implementers on topics that cross standards families such as clinical genomics and industry topics like implementing standards for MACRA and Meaningful Use.

Track 4 – Information Forums *FREE*

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

These tracks are only suggested course groupings. Feel free to choose whatever courses you feel are right for you from among the four tracks.

TRACK 1: FHIR®

S1 – FHIR Connectathon

Level: Any

Saturday, January 27 / 9:00 am – 10:00 pm

Sunday, January 28 / 9:00 am – 5:00 pm

This connectathon runs all day Saturday and Sunday. Registration includes both lunch and dinner on Saturday and lunch on Sunday. Registrants should plan to attend the entire event; no partial registrations will be accepted.

A Fast Healthcare Interoperability Resources (FHIR®) Connectathon is an opportunity for implementers to participate in developing FHIR solutions and exchange data with other FHIR interfaces. The connectathon is not a formal tutorial. There will be no lectures or presentations. Instead, you'll participate in 2 days of hands-on, heads down development and testing, working directly with other FHIR developers as well as senior members of the FHIR standards development team. The connectathon is a chance to get your hands dirty and learn by doing as well as to help evolve the FHIR specification.

Participation in the connectathon will be as part of one of several tracks. Participants will be asked to confirm which track they wish to follow a few days in advance of the connectathon (based on their level of readiness as well as area of interest). Details on the scenarios for both tracks as well as information on pre-connectathon discussion forums can be found on the connectathon website here: http://wiki.hl7.org/index.php?title=FHIR_Connectathon_17.

By registering for the connectathon, participants authorize HL7 International to share contact information (name, email and organization name) with the FHIR Management Group for the purposes of coordinating connectathon activity. Registrants will be contacted prior to the event regarding intended scenarios, platforms and other information.



Tutorials at HL7 working group meetings are an additional fee to the daily meeting registration fees. Please note that tutorials listed as free still require payment of the daily meeting fee.

To register for tutorials, please select each tutorial you would like to take on page 32 of the registration form.

There is a cost difference for participants versus observers. The reason for this is two-fold. First, attendees are likely to receive more benefit by actually participating in FHIR development than by merely watching. Second, HL7 offers a discount to participants for the potential impact of their work on the development of FHIR specifications.

NOTE: If registering as a participant, you will be expected to write at least some software intended to demonstrate FHIR connectivity.

M1 – FHIR for Clinicians and Decision Makers

Level: Beginner

Monday, January 29 / 9:00 am – 12:30 pm

This tutorial is aimed at the clinician rather than the technical user. It will describe where FHIR fits in the healthcare interoperability space and includes a high-level description of the specification. The tutorial will consist of practical exercises for attendees as well as presentation material.

This Tutorial Will Benefit:

- Clinicians and 'CxO' decision makers
- Technical people interested in the scope and place of FHIR rather than the deep details

**HL7 MEETINGS ARE GREEN: Bring your laptop to your tutorials!**

To reduce HL7's carbon footprint, its meetings are largely paperless. HL7 no longer provides printed tutorial materials on-site. All materials will be distributed electronically to tutorial participants to either print out themselves or load to their laptops. It is important that you bring your laptop to this meeting for all tutorials. Free WiFi internet access will also be provided. Please note that the materials may be in a zip format. In the event that a tablet is the only accessible device, students should download the appropriate app prior to the course to insure their tablet can open zip files.

Upon Completion of this Tutorial, Students Will be Able To:

- Understand how FHIR can benefit their organizations, and to describe those advantages to others
- Know where to get more information

Prerequisites:

- None, though an understanding of healthcare IT will be beneficial

Faculty:

David Hay, MD: Co-Chair, FHIR Management Group; Product Strategist, Orion Healthcare

M4 – Introduction to HL7 FHIR

Level: Beginner

Monday, January 29 / 1:45 pm – 5:00 pm

FHIR® is the newest healthcare interoperability standard offered by HL7, providing domain friendly wire formats compatible across the document, messaging, services and RESTful paradigms. This tutorial is for those who want to learn more about FHIR, what it can do and how their organization might best take advantage of it.

This Tutorial Will Benefit:

- Analysts, vendors, and project managers

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the main principles underlying the FHIR methodology
- Describe the characteristics of a FHIR resource and understand the contents of a resource definition
- Explain the relationship between FHIR and other HL7 standards such as Version 2, Version 3 messaging and CDA
- List some of the key FHIR infrastructure resources and explain how they are used to support the four FHIR interoperability paradigms
- Help their organization to determine if, when, where and how they might implement FHIR

Faculty:

Rik Smithies: Co-Chair, HL7 Clinical Statement Work Group; Technical Chair, HL7 UK; Independent Consultant, NProgram Ltd.

M5 – HAPI on FHIR

Level: Advanced

Monday, January 29 / 1:45 pm – 5:00 pm

This tutorial will cover HAPI FHIR (<http://hapifhir.io/>), the reference implementation of HL7 FHIR for Java developers. Topics covered will include working with the FHIR data model, client and server development, validation, and other related topics.

This tutorial includes both instruction, as well as a hands-on component where participants will create a working application on their own laptop.

This Tutorial Will Benefit:

- Java developers looking to get started or improve their skills developing FHIR based solutions

Upon Completion of this Tutorial, Students Will:

- Know the various components of the HAPI FHIR library and explain their uses within an application
- Use the HAPI FHIR library to create a working client application, and a working server application on their own laptop

Prerequisites:

- A working knowledge of Java is recommended, but advanced knowledge is not required. Participants are recommended to bring a laptop with a Java IDE installed (Eclipse, IntelliJ, or NetBeans recommended)

Faculty:

James Agnew: Lead Architect & Developer Wrangler, Centre for Global eHealth Innovation (UHN)

T7 – FHIR for Architects

Level: Intermediate

Tuesday, January 30 / 9:00 am – 12:30 pm

FHIR is attracting a great deal of attention as the next great thing in healthcare interoperability. This tutorial will help participants understand where and how FHIR might fit into their healthcare interoperability environment and provide them with 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 Benefit:

- Architects, technical managers and other healthcare IT decision-makers involved in solution design

Upon Completion of this Tutorial, 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
- Explain where and how profiles fit into an architectural solution
- Give guidance on if, when and how FHIR might be used within their own organization

Prerequisites:

- Introduction to FHIR or basic familiarity with the FHIR standard and concepts
- Some knowledge of healthcare IT architecture could also be useful

Faculty:

Lloyd McKenzie, PEng: Co-Chair, HL7 FHIR Infrastructure Work Group; Member, FHIR Management Group; Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator-at-Large; Principal Consultant, LM&A Consulting Ltd.; Senior Consultant, Information Technology Services, Gevity Consulting Inc.

T10 – FHIR for Specifiers Level: Intermediate

Tuesday, January 30 / 1:45 pm – 5:00 pm

FHIR provides a set of building blocks from which interoperability solutions can be created. Profiles combine those blocks into solutions, serving a similar purpose to implementation guides, templates, archetypes and detailed clinical models associated with other HL7 standards.

This tutorial will demonstrate how to use profiles to shape the FHIR core specification for use in a specific national, regional or organizational context.

This Tutorial Will Benefit:

- Data modelers, standards developers and HL7 Version 3 template authors who want to start using FHIR

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain what the FHIR conformance layer is and how it is used to profile FHIR for a specific context or use case
- Describe the principal profiling components of the FHIR conformance layer
- Describe the available FHIR conformance resources (structure definition, operation definition, search parameter, value set, concept map)
- Identify how domain information requirements translate to conformance resources
- Explain the role conformance resources are used to compose an implementation guide
- Write a FHIR value set and structure definition for a single resource
- Explain where and how to register and find existing conformance resources

Prerequisites:

- Introduction to HL7 FHIR

Faculty:

Michel Rutten: Technical Specialist, Furore; Lead Developer of Forge FHIR Profile Editor

W13 – Introduction to FHIR for Software Developers Level: Intermediate

Wednesday, January 31 / 9:00 am – 12:30 pm

This tutorial takes an in-depth look into the infrastructure sections of the FHIR specification. It will provide insight on how to design, develop and test software that uses the FHIR interoperability standard—all the way from the wire-format up to validation and storage.

This Tutorial Will Benefit:

- Software developers, team leads, and infrastructure architects

Tutorials

Upon Completion of This Tutorial, Students Will Be Able To:

- List the four of interoperability paradigms supported by FHIR
- Describe the FHIR REST service operations and how to implement them
- Explain how the XML and JSON wire formats are used in FHIR
- Explain versioning and bundles
- Compare strategies for using object models, validation and (de)serialization
- Use relational or document-oriented storage for persistence of resources
- Implement search functionality

Prerequisites:

- An Introduction to HL7 FHIR

Faculty:

Jean Duteau: International Representative, HL7 Technical Steering Committee; Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Pharmacy Work Group; HL7 Modeling and Methodology Facilitator, Patient Care; HL7 Publishing Facilitator, Public Health Work Group; Director, Duteau Design, Inc.

W14 – C-CDA on FHIR

Level: Intermediate

Wednesday, January 31 / 9:00 am – 12:30 pm

C-CDA on FHIR is an HL7 implementation guide that expresses the core C-CDA use case using FHIR resources. This tutorial will give an overview of FHIR documents in general, the C-CDA on FHIR profiles in particular, and discuss migration strategies when moving from CDA to FHIR and visa-versa.

This Tutorial Will Benefit:

- CDA implementers wishing to move to FHIR, and FHIR implementers wishing to learn about FHIR documents

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the structure of FHIR documents
- Find and explain the C-CDA on FHIR profiles
- Strategize ways to move content between CDA and FHIR formats

Prerequisites:

- Introduction to HL7 FHIR or equivalent experience (i.e. Connectathon participation, etc.)
- A basic knowledge of CDA

Faculty:

Rick Geimer: Member, HL7 Structured Documents Work Group; Chief Technology Officer, Lantana Consulting Group

W16 – Understanding and Using Terminology in HL7 FHIR

Level: Advanced

Wednesday, January 31 / 1:45 pm – 5:00 pm

Terminology is a required foundational component for interoperable data exchange in FHIR and other clinical data standards. This tutorial takes an in-depth look at the use of standard terminologies within FHIR artifacts (datatypes, resources, profiles, etc.). The structures and use of the primary FHIR terminology resources, operations and coded data types are covered, including how these terminology artifacts and capabilities are used in support of coded elements in other FHIR resources and profiles. The tutorial will also discuss how terminology content and capabilities are made accessible and usable within a FHIR terminology service. Live examples from FHIR terminology servers will be used where possible to examine and illustrate the concepts.

This Tutorial Will Benefit:

- Standards developers, implementers, terminologists, data modelers and architects

Upon Completion of This Tutorial, Students Will Be Able To:

- Describe how code systems, value sets and related vocabulary artifacts and principles are applied within the FHIR terminology resources and datatypes
- Explain how the FHIR terminology resources and datatypes support the needs for coded data in other FHIR resources and profiles
- Use the primary FHIR terminology resources, data types and operations for creating specifications and implementing solutions that interoperably represent and exchange coded data
- Describe the typical capabilities and usage scenarios of a FHIR terminology service

Prerequisites:

- Introduction to HL7 FHIR (or equivalent familiarity with the FHIR standard and concepts)
- Introduction to Vocabulary in HL7
- Basic familiarity with one or more standard healthcare terminologies or classifications (e.g., SNOMED CT, LOINC, ICD-10) and terminology artifacts (e.g., code system, value set, mapping)
- FHIR for Specifiers (optional, but may be helpful)

Faculty:

Rob Hausam, MD: Co-Chair, HL7 Orders and Observations Work Group; Co-Chair, HL7 Vocabulary Work Group; Vocabulary Facilitator for the HL7 Orders and Observations and Structured Documents Work Groups; Principal, Hausam Consulting LLC

W17 – FHIR for Clinical and Administrative Workflows

Level: Intermediate

Wednesday, January 31 / 1:45 pm – 5:00 pm

The tutorial will cover the existing FHIR structures and approaches for different types of workflows, and the various capabilities available.

This Tutorial Will Benefit:

- Standards developers (HL7 work group members, FHIR profile developers)
- Integration and systems architects
- Clinical or administrative workflows subject matter experts

Upon Completion of this Tutorial, Students Will Be Able To:

- Understand the purpose and intent behind the logical models for workflow patterns
- Describe at least three different mechanisms of FHIR that support workflow
- Explain what types of workflows require the use of the FHIR task
- List at least four considerations impacting selection of workflow approach
- Analyze at least two sample workflow scenarios and identify how FHIR could be used to support those scenarios

Prerequisites:

- Knowledge of FHIR fundamentals, understanding the basics of healthcare workflows

Faculty:

Vassil Peytchev, FHL7: Lead Technical Adviser, Epic Systems Corporation, HL7 Fellowship Award Recipient—September 2013

W18 – HL7 FHIR STU3 Proficiency

Exam Review

Level: Intermediate

Wednesday, January 31 / 1:45 pm – 5:00 pm

HL7 FHIR is the latest standard for exchanging healthcare information electronically based on current and emerging industry approaches and informed by HL7's long-term experience in the field of interoperability standards development. The HL7 FHIR STU3 Proficiency Exam allows test takers to demonstrate their understanding of the fundamental concepts of FHIR and their proficiency with the FHIR standard specification. This tutorial is designed to assist students in their preparation for the HL7 FHIR STU3 Proficiency Exam.

Note: Students preparing for the exam are expected to study the HL7 FHIR STU3 Specification as recommended in the FHIR Proficiency Exam Study Guide.

This Tutorial Will Benefit:

- Anyone preparing for the HL7 FHIR STU3 Proficiency Exam
- Implementers seeking a detailed review of the fundamental components in the FHIR specification

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the structure of the FHIR specification
- Name, explain, and discuss basic principles and central components of the FHIR specification
- Understand the format and coverage of the test
- Practice answering test questions
- Identify areas for further study

Prerequisites:

- While there are no mandatory prerequisite classes, students preparing for the exam are advised to take introductory FHIR courses such as the FHIR Fundamentals course or introductory courses in the FHIR Track at HL7 working group meetings to provide context for this class and to better prepare for the exam

Faculty:

Virginia Lorenzi, CPHIMS, FHL7: Co-Chair, HL7 Education Work Group; Manager-HIT Standards and Collaborations; New York-Presbyterian Hospital

TH22 – Precision Medicine via FHIR: From Design to Deployment

Level: Any

Thursday, February 1 / 1:45 pm – 5:00 pm

FHIR enables a new class of clinical genomic apps for precision medicine. This tutorial will introduce FHIR genomics and take attendees through the creation and deployment of a clinical genomic app.

This Tutorial Will Benefit:

- IT professionals, developers, EMR vendors and clinicians

Upon Completion of This Tutorial, Students Will Be Able To:

- List use cases for clinical genomic apps
- Describe how FHIR genomics enables clinical genomics
- Use FHIR to create a simple clinical genomic app
- Deploy a simple FHIR clinical genomic app

Prerequisites:

- There are no prerequisites for this tutorial; relevant FHIR terminology will be introduced

Faculty:

Gil Alterovitz, PhD: Co-Chair, HL7 Clinical Genomics Work Group; Assistant Professor, Harvard Medical School; Core Faculty Computational Health Informatics Program, Boston Children's Hospital

TH23 – HL7 FHIR STU3 Proficiency Exam

Level: Intermediate

Thursday, February 1 / 2:00 pm – 4:00 pm

Health Level Seven International is pleased to offer the HL7 FHIR STU3 Proficiency Exam. This exam allows participants to demonstrate their knowledge and understanding of the FHIR specification. The exam is closed book, multiple choice, multi-select, and true/false and based on the STU3 specification. While field experience would be helpful to exam takers, it is not required. This is a basic proficiency test, not a professional credentialing program. Those who pass the exam will receive the FHIR Proficiency Certificate, a Certificate of Knowledge.

Potential exam candidates include interface analysts, healthcare systems analysts, medical software developers, and clinical informaticists. The knowledge required to pass the exam can be obtained by careful study of the HL7 FHIR STU specification which is freely available at www.HL7.org/fhir. Completion of FHIR education programs is recommended. HL7 offers a variety of FHIR education training modalities, including the in-person FHIR track at this meeting and other HL7 working group meetings, the online 4-10 week Fundamentals programs as well as the FHIR Institute webinar series. Participation in FHIR efforts on an HL7 work group or field experience will also be helpful.

Note: Simply taking the courses offered at this meeting will most likely not be sufficient to pass the exam. We strongly recommend a combination of the aforementioned to fully prepare yourself for the exam. You will need your laptop for the exam. You will obtain your results immediately upon completion of the exam and a certificate will be emailed to you instantly. Internet Explorer is the recommended browser to take the exam.

TRACK 2: CDA® & C-CDA

T8 – Introduction to Clinical Document Architecture

Level: Beginner

Tuesday, January 30 / 9:00 am – 12:30 pm

The Clinical Document Architecture (CDA®) is HL7's specification for standards-based exchange of clinical documents. CDA is based on the concept of scalable, incremental interoperability and uses Extensible Markup Language (XML), the HL7 Reference Information Model (RIM), and controlled terminology for structure and semantics. This tutorial presents the business case for CDA, its primary design principles, and an overview of the technical specification.

This Tutorial Will Benefit:

- New implementers, standards developers and policy makers

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the history, and core principles of CDA design
- Explain the core structures of CDA and where they are appropriately used
- Interpret the CDA standard and existing CDA implementation guides

Faculty:

Calvin Beebe, FHL7: Chair, HL7 International Board of Directors; Co-Chair, Structure & Semantic Design Steering Division—HL7 Technical Steering Committee; Co-Chair, HL7 Structured Documents Work Group, Co-Editor, CDA; Technical Specialist, Mayo Clinic - Rochester, MN

T9 – Attachments for Reimbursement, Authorization and Referrals: Overview for Managers, Architects and Implementers

Level: Beginner

Tuesday, January 30 / 9:00 am – 12:30 pm

A new regulation under HIPAA & ACA is anticipated in Q1 2018 that will govern the submission and request for electronic attachments. This tutorial introduces

the standards and workflow for attachments between providers and payers.

This Tutorial Will Benefit:

- Program and product managers
- Architects
- Software developers

Upon Completion of This Tutorial, Students Will:

- Know the standards anticipated under the impending regulation
- Understand their areas of application
- Be prepared to analyze how their agency, institution or company may benefit from electronic attachments and begin to develop an implementation strategy

Faculty:

Liora Alschuler, FHL7: Co-Chair, HL7 Process Improvement Committee; CEO, Lantana Consulting Group

Durwin Day: Co-Chair, HL7 Payer User Group; Co-Chair, HL7 Attachments Work Group

T11 – Consolidated CDA 2.1

Level: Intermediate

Tuesday, January 30 / 1:45 pm – 5:00 pm

Every ONC certified EHR must support Consolidated Clinical Document Architecture (C-CDA®). C-CDA is a document standard for communicating patient summaries between providers and patients. It is a foundational component for US Meaningful Use (MU) Stage 3 and Merit-Based Incentive Payment System (MIPS) interoperability. This tutorial provides a detailed background on the specification, explains how C-CDA builds on CDA to provide highly structured patient summaries and discusses implementation challenges and choices. The purpose of this tutorial is to prepare the student to work with C-CDAs in the field to improve healthcare interoperability.

This Tutorial Will Benefit:

- Software vendor stakeholders building and supporting C-CDA functionality in HIT products
- Payers interested in visit summaries
- Providers implementing and supporting C-CDA based health information exchange and patient engagement interoperability functionality
- Others interested in capitalizing on the widespread availability of C-CDA capabilities in electronic health records
- Stakeholders interested in structured document standards development

Upon Completion of This Tutorial, Students Will Be Able To:

- Effectively navigate the specification
- Identify and explain the key document types and sections
- List the latest enhancements to the standard and supporting documentation and tools
- Use CDA templates to streamline implementation
- Locate C-CDA validation tools

Prerequisite:

- Introduction to CDA

Faculty:

Brett Marquard: Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates

T12 – Attachments: Technical Introduction for Architects and Implementers

Level: Intermediate

Tuesday, January 30 / 1:45 pm – 5:00 pm

This tutorial introduces the technical standards and implementation challenges for attachments between providers and payers.

This Tutorial Will Benefit:

- Architects and engineers planning to implement attachments

Upon Completion of This Tutorial, Students Will Be Able To:

- Fundamentally understand the standards proposed to support attachments and the relationship of these standards to key applications required to support them
- Develop technical strategies that anticipate and meet the key challenges inherent in implementing electronic attachments

Prerequisites:

- High-level understanding of payer/provider workflow for attachments and Clinical Document Architecture (CDA®)

Faculty:

Rick Geimer: Member, HL7 Structured Documents Work Group; Chief Technology Officer, Lantana Consulting Group

Durwin Day: Co-Chair, HL7 Payer User Group; Co-Chair, HL7 Attachments Work Group

TH19 – CDA Template Design in Theory and Practice

Level: Advanced

Thursday, February 1 / 9:00 am – 12:30 pm

In order to address requirements for healthcare data exchange, HL7's Clinical Document Architecture (CDA®) is used. To constrain the general CDA model to specific use cases, CDA template specifications as part of implementation guides are created, published and maintained.

In this tutorial, the creation of CDA templates is shown, highlighting best practice and design principles. CDA templates on document, section and entry level are crafted. It will also cover the use of repositories like the C-CDA library for easy template re-use.

This Tutorial Will Benefit:

- Anyone who works with CDA including modelers, specification designers, analysts and implementers

Upon Completion of This Tutorial, Students Will Be Able To:

- Analyze use cases for CDA document design and derive CDA components
- Recognize CDA templates, design and types
- Apply HL7's templates STU as the base for CDA templates
- Explain value sets and how they are related to templates
- Apply best practices and strategy for design and maintenance of CDA templates, perform CDA templates creation and refinement
- Use repositories like the C-CDA
- Complete hands-on exercises

Prerequisites:

- Basic XML skills and general knowledge of CDA

Faculty:

Kai Heitmann, MD, FHL7: Heitmann Consulting and Services; Gefyra GmbH; ART-DECOR Open Tools; Co-Chair, HL7 Templates Work Group; Advisory Board, HL7 Foundation; CEO, HL7 Germany

Rick Geimer: Member, HL7 Structured Documents Work Group; Chief Technology Officer, Lantana Consulting Group

TRACK 3: General Interest & Special Topics

M2 – Overview of HL7 Standards for Interoperability

Level: Beginner

Monday, January 29 / 9:00 am – 12:30 pm

This tutorial provides a survey of the healthcare interoperability standards landscape, pointing out the main features of the terrain and how they link together to perform useful functions. It consists of three main sections covering (1) messaging standards such as HL7 Version 2 and Version 3, (2) clinical document standards such as CDA, Continuity of Care Document (CCD®), Continuity of Care Record (CCR) and IHE XDS, and (3) terminology standards, such as SNOMED CT and LOINC. It explains how and why these were developed and their complementary roles, each best suited to particular tasks.

In the time available, the treatment of each standard is necessarily brief, but this tutorial will provide an introduction to other more detailed tutorials.

This Tutorial Will Benefit:

- Relative newcomers to health interoperability who are still unsure about how everything fits together

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain how the main healthcare interoperability standards relate to each other and choose which is most suited for particular roles

Faculty:

Diego Kaminker, FHL7: Co-Chair, HL7 Education Work Group; Co-Author and Coordinator, HL7 Fundamentals Course, Argentina; Chief Developer and Manager, Kern-IT SRL

M3 – Healthcare Challenges, Technological Advances, and HL7's Response

Level: Any

Monday, January 29 / 9:00 am – 12:30 pm

Discover how the HL7 community is capitalizing on current and future technology to solve the serious problems of healthcare of today and tomorrow. This tutorial spotlights 10 different trending topics in technology or healthcare and discusses how HL7 is involved. It will highlight the following topics:

1. Anesthesia Safety
2. Speciality Diseases
3. Genomics at the Bedside
4. Patient Identity
5. Healthcare Disparities
6. The E-Patient
7. Super-bugs
8. The Digital Doctor
9. Disruption
10. An Aging Population

This Tutorial Will Benefit:

- Newcomers to HL7
- Current and new attendees interested in a breadth view of the standards with respect to current events

Upon Completion of This Tutorial, Students Will Be Able To:

- Describe several hot topics in health and technology
- Summarize and evaluate how HL7 is connected to each topic
- Consider engaging in specific HL7 initiatives
- Consider implementing solutions for technologies or problems using HL7
- Explore other ideas of how HL7 can help solve the problems of healthcare

Faculty:

Virginia Lorenzi, CPHIMS, FHL7: Co-Chair, HL7 Education Work Group; Manager-HIT Standards and Collaborations; New York-Presbyterian Hospital

M6 – Implementing HL7 Standards for Real World Success

Level: Any

Monday, January 29 / 1:45 pm – 5:00 pm

Take a deep dive into HL7 standards to learn about the ins-and-outs of requirements specification, conformance, profiling, testing, and how to apply these mechanisms effectively to achieve interoperable implementations. The principles of conformance are explored on a conceptual level and in detail for each of the HL7 standard product families (including HL7 Version 2.x, CDA, and FHIR).

Base standards provide a framework for specification, and implementation specifications are formed through the process of profiling those standards. Insights for effective profiling are given along with an overview of the profiling strategies and tools that are available to aid implementers. The concepts and application of conformance and interoperability testing are presented, including the purpose and goals, test plan overview and development, testing models and architecture, and testing tools that help implementers confirm conformance of their products. Students will gain an understanding of common terms, such as interoperability, conformance, compliance, compatibility and profiling. They will be prepared to design and implement their own complex interoperable healthcare information technologies.

This Tutorial Will Benefit:

- Implementers, developers, analysts, and testers seeking an in-depth understanding and interpretation of HL7 standards and implementation guides
- Providers implementing ONC 2015 Edition certified HIT modules to satisfy MU Stage 3 or MACRA/MIPs regulations in the US domain
- Vendors working on development and certification of ONC 2015 Edition certified HIT modules
- Other stakeholders who would benefit from understanding the conformance mechanisms used to specify requirements in and across the family of HL7 standards

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the key conformance concepts and apply them to interoperability standards
- Recognize and compare standards across the family of HL7 standards product lines
- Analyze and leverage tools and utilities to aid in development of implementations
- Initiate testing programs locally to improve implementations

Prerequisites:

- Basic understanding of at least one HL7 standard

Faculty:

Rob Snelick: Co-Chair, HL7 Conformance Work Group; Manager and Software Architect, National Institute of Standards and Technology (NIST)

W15 – Driving Health Information Exchange Using XDS with CDA & FHIR

Level: Beginner

Wednesday, January 31 / 9:00 am – 12:30 pm

This is a practical session on how to use IHE XDS and HL7 FHIR using CDA documents as the payload and freely available open source toolkits to assist implementers. Why reinvent the wheel?

This Tutorial Will Benefit:

- Managers, architects and implementers of health exchange projects who wish to learn more about standards based health exchange

Upon Completion of This Tutorial, Students Will Know:

- Key IHE profiles that should be considered to support document exchange
- HL7 FHIR profiles also supporting document exchange
- Where to find open-source tools supporting XDS and CDA in several programming languages
- The HL7 standards that these profiles use, and where to find more details about them

Prerequisites:

- Students should have a basic understanding of healthcare workflows

Faculty:

Keith Boone: Director, HL7 Board of Directors; Interoperability Guru, GE Healthcare IT

TH20 – US Law MACRA: Role of Standards in QPP, MU3 and the Changing World of Provider Reimbursement (Volume to Value)

Level: Any

Thursday, February 1 / 9:00 am – 12:30 pm

The US healthcare system is going through a seismic change that began with HITECH Act under the ARRA-American Recovery and Reinvestment Act of 2009 and the Meaningful Use (MU) mandate, which required certified Electronic Health Record (EHR) adoption by providers and hospitals.

The Medicare Access and CHIP Reauthorization Act of 2015 (MACRA) finalizes policies to improve physician and other clinician payments by changing the way Medicare incorporates quality measurement into payments and by developing new policies to address and incentivize participation in Alternative Payment Models (APMs) – transitioning from “volume” based FFS (fee for service) payments to “value” based P4P (pay-for-performance) payment model. These unified policies are referred to as the Quality Payment Program (QPP): <https://qpp.cms.gov>.

MACRA, effective Jan 1, 2017, advances a forward looking, coordinated framework for healthcare providers to successfully take part in the CMS Quality Payment Program that rewards value and outcomes through either Advanced Alternate Payment Models (A-APMs) and Merit-based Incentive Payment System

(MIPS). MIPS makes payment adjustments based on performance on quality, cost and other measures. Advanced APMs supports the goals of transitioning from fee-for-service (FFS) payments to payments for quality and value based payment.

MACRA mandates the use of 2015 Certified EHRs by eligible clinicians. Many HL7 standards are identified in this program such as HL7 Version 2.x, the Consolidated Clinical Document Architecture (C-CDA), the Quality Reporting Document Architecture (QRDA), the Health Quality Measure Format (HQMF) and Infobutton, among others.

This Tutorial Will Benefit:

- US-based eligible clinicians and their changing world of provider reimbursements (under MACRA: Quality Payment Program)
- US-based Medicaid providers who receive financial incentives under Meaningful Use Stage 3 program
- US-based eligible hospitals who receive financial incentives under Meaningful Use Stage 3 program
- Consultants and companies who are providing MACRA-QPP technical assistance
- EHR vendors striving to certify their EHR under the ONC 2015 EHR Certification Program
- Countries considering the introduction of value based payments model in conjunction with EHR adoption/usage

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain what MACRA:QPP is, who defined it, what it means and how it is relevant to HL7
- Analyze which HL7 standards are mentioned in the QPP regulation
- Describe the details of QPP and its two categories:
 1. Advanced APM (Alternate Payment Models)
 2. MIPS (Merit-based Incentive Payment System)
- Explain what Meaningful Use is, who defined it, and what it means
- Describe the details of Meaningful Use Stage 3 objectives and measures
- Receive feedback from the street: experiences of physician practices complying with MACRA and MU regulations

Prerequisites:

- Standards for Interoperability tutorial (optional)

Faculty:

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

TH21 – On-the-Fly Data Capture

Tooling for FHIR/HL7 V2

Level: Any

Thursday, February 1 / 9:00 am – 12:30 pm

This session is an overview on using FHIR and Version 2 (V2)-based open source JavaScript-based tools that are tied to 22 associated standards-based coding systems enlivened by auto-completed capabilities to enable fast and easy form creation and the capture of interoperable clinical/administrative data. This session will explain how to use these tools and the data they can capture into the attendees' own IT systems. These tools were developed by the NLM's Lister Hill National Center for Biomedical Communications (LHNCBC): <https://lhc-forms.lhc.nlm.nih.gov/>.

This Tutorial Will Benefit:

- Anyone who uses FHIR Questionnaire and Structured Data Capture (SDC)
- Anyone who uses V2, LOINC, UCUM
- Anyone who uses Meaningful Use, coding systems, or genomic coding systems/vocabulary

Upon Completion of This Tutorial, Students Will Be Able To:

- Describe the breadth of LHC form capabilities, including skip logic, nesting and repeat, as well as autocomplete linking to external code tables
- Use autocomplete look up services to access 22 (so far) common clinical, administrative, and genomic coding systems or institution-specific local master files
- Use a UCUM validator and checker, which is the HL7 standard unit of measure
- Use LHC-forms to create input forms, and capture and store data through these forms, which can be represented as a FHIR questionnaire
- Deliver data captured by these forms as FHIR or V2 messages, or local JSON files
- Deliver captured FHIR or V2 data using these forms
- Deliver captured content through SMART on FHIR or direct links to FHIR resources
- Explain the basics of FHIR Questionnaire and SDC and V2 Clinical Genomics

Faculty:

Clem McDonald, MD, FHL7: Director, Lister Hill National Center for Biomedical Communications, NLM

Paul Lynch, MS: Project Manager, NLM

Ye Wang, MS: Senior Systems Developer, NLM

TH24 – Implementing Interoperability for US Regulatory Compliance: MACRA, Meaningful Use, and 21st Century Cures

Level: Any

Thursday, February 1 / 1:45 pm – 5:00 pm

Interoperability across providers, patients, and other stakeholders has been a key focus since the establishment of the Office of the National Coordinator in 2004. Starting in 2010, the approach to achieve interoperability became more regulatory based by using a combination of certification criteria that were to be met by the software that providers use to be paid by Medicare and/or Medicaid. CMS' EHR Incentive Program (also known as the Meaningful Use Program) focused on the provider objectives, while ONC's Certification Edition focused on the necessary health IT capabilities.

As the Meaningful Use Program (MU) is coming to an end with the implementation of MU Stage 3, the MACRA/MIPS rules are recasting the focus and incentives for use of certified technologies for eligible clinicians. Additionally, the 21st Century Cures Act has re-focused the overall initiative on interoperability. It is prudent to review the implications for providers, software developers, as well as HL7 in this rapidly changing landscape. However, the main objectives are remaining the same:

- Exchanging data between providers
- Engaging patients by providing them access to their information
- Communicating with public health authorities and registries
- Electronically submitting quality measure data
- Recently added focus on enabling payers to access the necessary data for their covered lives

All of these functions utilize or plan to utilize HL7 standards. The regulations require or encourage providers to meet high thresholds on interoperability objectives using numerous HL7 standards, including

the following: the Consolidated CDA (C-CDA) for patient and provider communication; API access (likely using FHIR); Quality Reporting Document Architecture (QRDA) for e-submission of quality measures; and Version 2-based implementation guides for public health and operational workflow support (e.g., laboratory results). This tutorial will explain the use of HL7 standards to achieve each interoperability goal of the regulations and the role it may play as the 21st Century Cures act takes shape through further regulations. Real world implementation challenges and nuances will be examined from both the provider and vendor perspective. The tutorial will close with a glimpse into future regulatory direction.

This Tutorial Will Benefit:

- Providers implementing ONC 2015 certified technology to satisfy MU Stage 3 or MACRA/MIPs regulations in the US domain
- Vendors working on development and certification of ONC 2015 certified technology or planning to work with certified technology
- Other stakeholders that could benefit in utilizing interoperability features of ONC 2015 certified technologies and the HL7 standards they employ (apps, public health authorities, etc)
- Anyone exploring the direction of 21st Century Cures and how HL7 standards may play a role in it

Upon Completion of This Tutorial, Students Will Be Able To:

- Identify HL7 standards used to meet healthcare interoperability regulatory goals in the US domain
- Discuss implementation considerations in utilizing HL7 standards to meet the MU and MIPS objectives from the vendor and the provider viewpoint
- Understand some of the potential directions of certified interoperability capabilities under 21st Century Cures

Faculty:

Virginia Lorenzi, CPHIMS, FHL7: Co-Chair, HL7 Education Work Group; Manager-HIT Standards and Collaborations; New York-Presbyterian Hospital

Hans Buitendijk, FHL7: Director, HL7 Board of Directors; Co-Chair, HL7 Clinical Statement Work Group; Co-Chair, HL7 Orders and Observations Work Group; Director, Interoperability Strategy, Cerner Corporation

TRACK 4: HL7 Information Forums (Free)

F1/F3 – Orientation for First-Time Attendees – FREE TUTORIAL

Level: Beginner

Sunday, January 28 / 3:00 pm – 4:00 pm

Monday, January 29 / 7:00 am – 8:00 am

This is a special orientation session for first-time attendees. It will give those new to HL7 the lay of the land and help ensure they get the very most out of their first working group meeting experience. The session will consist of a quick meeting overview and a question and answer session that will help attendees make informed choices and maximize their time at the meeting. It will be offered twice during the meeting—once on Sunday evening and again on Monday morning.

Faculty:

Brett Marquard: Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates

F2 – Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL

Level: Beginner

Sunday, January 28 / 4:00 pm – 5:00 pm

This session will provide an overview of HL7 International from the governance structure to the work groups.

This Tutorial Will Benefit:

- First-time attendees and anyone interested in learning more about the processes and organization of HL7 International

Upon Completion of this Tutorial, Students Will Be Able To:

- Explain how HL7 International is structured
- List the types of products that HL7 International produces
- Identify the subject domains that HL7 standards cover
- Navigate the working group meeting
- Participate in future HL7 International ballots

Faculty:

Brett Marquard: Co-Chair, HL7 Structured Documents Work Group; Principal, River Rock Associates

F4 – ISO IDMP, Substances and Allergies – FREE TUTORIAL

Level: Any

Monday, January 29 / 7:00 am – 8:00 am

The ISO IDMP (Identification of Medicinal Product) standards have been revised, completed, and are now entering in their implementation phases (especially in Europe and in synchronization with the US).

IDMP includes a strong focus on substances of all kinds. Substances and their unique identification are essential to IDMP. Substances are captured with a wide number of attributes including allergies.

Some HL7 work groups have allergies on their agenda, and this tutorial is built to demonstrate with the publicly accessible G-SRS database what Patient Care was addressing at its Madrid meeting.

This Tutorial Will Benefit:

- HL7 experts who are interested in learning about IDMP and have a focus on substances
- HL7 experts interested in secondary use of IDMP data

Upon Completion of This Tutorial, Student Will Have Obtained:

- An understanding on ISO IDMP standards and how medicinal product information is structured for regulatory and clinical benefits
- How to access the information and how to leverage this wealth of knowledge for secondary use

Faculty:

Christian Hay: GS1 Switzerland; Delegate Healthcare, Convenor, ISO TC 215 WG 6

Panagiotis Telonis: Scientific Administrator, EMA

F5 – Glossary Management-Defining and Managing the Terms Used by Healthcare SDOs – FREE TUTORIAL

Level: Any

Tuesday, January 30 / 7:00 am – 8:00 am

This is an overview of the international health standards knowledge management tool (SKMT) to introduce attendees to the resource (find standards, find terms and definitions) and how it can make standards development, use and health informatics documentation in general easier and more consistent.

This tutorial demonstrates how to retrieve, enter and update information in the SKMT. It explains the process for harmonization and how HL7 engages with the process.

This Tutorial Will Benefit:

- Standards developers
- Those who use and work with the terms and concepts used by healthcare standards
- Those who wish to know about projects and publications of other SDOs to improve harmonization and reduce duplication of effort

Upon Completion of This Tutorial, Students Will Be Able To:

- Explain the purpose and utility of the SKMT
- Know how to find and register for access to the SKMT
- Explain the process for maintenance of the content for HL7 in the tool including SDO harmonization trials
- Apply the guidelines for development of quality definitions

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; SKMT Governance Committee, ISO Representative and Administrator of SKMT

F6 – Introduction to Germany –

FREE TUTORIAL

Level: Any

Tuesday, January 30 / 7:00 am – 8:00 am

In preparation of the May 2018 Working Group Meeting in Cologne, Germany, this tutorial introduces a bit of German; tells about Germany, and especially Cologne. It also summarizes dos and don'ts—with a twinkle in the eye.

This Tutorial Will Benefit:

- Anyone who wants to attend and wants to be prepared to visit Germany and Cologne

Upon Completions of This Tutorial, Students Will Have Obtained:

- Basic language skills
- Basic flirt skills
- Basic cultural understanding of Cologne like Kölsch
- Basic ideas of what to see in Cologne and surrounding areas
- The sincere willingness to participate in the Cologne Working Group Meeting

Prerequisites:

- Humor and the plan to attend the May 2018 WGM

Faculty:

Kai Heitmann, MD, FHL7: Heitmann Consulting and Services; Gefyra GmbH; ART-DECOR Open Tools; Co-Chair, HL7 Templates Work Group; Advisory Board, HL7 Foundation; CEO, HL7 Germany

F7 – Work Group Facilitator Training Workshop – FREE TUTORIAL

Level: Any

Wednesday, January 31, 7:00 am – 8:00 am

This tutorial provides the skills required to be an effective HL7 work group facilitator. The role of the facilitator is to encourage full participation, promote mutual understanding, and foster participatory decision making.

This Tutorial Will Benefit:

- Anyone who wants to improve their knowledge and skills in facilitating HL7 work group meetings and calls. In particular, current facilitators and work group chairs

Upon Completion of this Tutorial, Students Will Know:

- Various facilitator roles within HL7
- The dynamics of group decision making
- Facilitative listening skills
- How to deal with difficult dynamics
- Principles for building sustainable agreements

Faculty:

AbdulMalik Shakir, FHL7: President and Chief Informatics Scientist, Hi3 Solutions; Principal Consultant, Shakir Consulting

F8 – GS1 Standards for Supply Chain Meets HL7 – FREE TUTORIAL

Level: Any

Wednesday, January 31 / 7:00 am – 8:00 am

This session will offer insight on what GS1 provides in the open supply chain to secure item traceability, and how traceability should be extended in provider's internal supply chain. The tutorial will be based on a document which provides extensive information about traceability, by including “order to cash,” master database (shared catalogues), stock management, including for consignment products, etc.

The session will strongly focus on EPC IS (electronic product code information service), which is one of the GS1 standards and how it enables event tracking. It will also include a brief introduction to the UNSPSC (United Nations Standard Products and Services Code), a classification system increasingly used in the healthcare industry. **Documentation**

- The reference documentation should be downloaded prior the tutorial from:
http://www.gs1.ch/docs/default-source/gsl-system-document/healthcare/scm_in_ch_gesundheitswesen_1-3_en.pdf?sfvrsn=4
- It is also useful to have consulted the following documentation:
 - Information about EPC IS:
<http://www.gs1.org/epcis>
 - Information about UNSPSC: www.unspsc.org

This Tutorial Will Benefit:

- HL7 experts who are interested in learning about GS1 and its use in the healthcare industry. Key words: UDI, falsified medicines, event management; subject of care identification, location identification, item identification
- HL7 experts from most of the work groups where physical identification plays a role – such as Patient Administration, Patient Care, Health Care Devices, Pharmacy and many others

Faculty:

Christian Hay: GS1 Switzerland; Delegate Healthcare, Convenor, ISO TC 215 WG 6

F9 – Newly Elected Co-Chair Training – FREE TUTORIAL

Level: Advanced

Thursday, February 1 / 7:00 am – 8:00 am

This session is intended for newly elected work group co-chairs. The purpose of the session is to introduce the co-chair responsibilities, review work group and balloting procedures, share tips on managing a work group, and provide a framework for common operation among all work groups..

Faculty:

Karen Van Hentenryck: HL7 Associate Executive Director

F10 – How to Develop and Teach a Tutorial – FREE TUTORIAL

Level: Any

Thursday / February 1, 7:00 am – 8:00 am

This is a free session for those who develop or deliver HL7 tutorials and are looking for guidance on how to make improvements or get assistance with the development of training specifications or plans and materials. Please plan to bring your ideas, issues and documents with you to this session.

This Tutorial Will Benefit:

- Tutorial presenters and developers

Upon Completion of this Tutorial, Students Will Be Able To:

- Submit quality tutorial proposals and plans
- Improve presentations in HL7 tutorial
- Improve learning outcomes of HL7 tutorials

Prerequisites:

- How to Design and Deliver an HL7 Tutorial

Faculty:

Heather Grain, AssocDip MRA, GDip IS, MHI, MACS, FACHI, Cert IV Training and Education: Co-Chair, HL7 Vocabulary Work Group; SKMT Governance Committee, ISO Representative and Administrator of SKMT



Topic	Class ID	Instructor	SUN PM	MON AM	MON PM	TUE AM	TUE PM	WED AM	WED PM	THU AM	THU PM
Track 1—FHIR®											
FHIR Connectathon	S1	McKenzie/Kramer/Grieve	Sat-Sun								
FHIR for Clinicians and Decision Makers	M1	Hay		★							
Introduction to HL7 FHIR	M4	Smithies			★						
HAPI on FHIR	M5	Agnew			★						
FHIR for Architects	T7	McKenzie				★					
FHIR for Specifiers	T10	Rutten					★				
Introduction to FHIR for Software Developers	W13	Duteau						★			
C-CDA on FHIR	W14	Geimer						★			
Understanding and Using Terminology in HL7 FHIR	W16	Hausam							★		
FHIR for Clinical and Administrative Workflows	W17	Peytchev							★		
HL7 FHIR STU3 Proficiency Exam Review	W18	Lorenzi							★		
Precision Medicine via FHIR: From Design to Deployment	TH22	Alterovitz									★
HL7 FHIR STU3 Proficiency Exam	TH23	HL7 Staff									2-4
Track 2—CDA® & C-CDA											
Introduction to Clinical Document Architecture	T8	Beebe				★					
Attachments for Reimbursement, Authorization, and Referrals: Overview for Managers, Architects and Implementers	T9	Alschuler/Day				★					
Consolidated CDA 2.1	T11	Marquard					★				
Attachments: Technical Introduction for Architects and Implementers	T12	Geimer/Day					★				
CDA Template Design in Theory and Practice	TH19	Heitmann/Geimer								★	
Track 3—General Interest & Special Topics											
Overview of HL7 Standards for Interoperability	M2	Kaminker		★							
Healthcare Challenges, Technological Advances, and HL7's Response	M3	Lorenzi		★							
Implementing Standards for Real World Success	M6	Snelick			★						
Driving Health Information Exchange Using XDS with CDA & FHIR	W15	Boone						★			
US Law MACRA: Role of Standards in QPP, MU3 and the Changing World of Provider Reimbursement (Volume to Value)	TH20	Datta								★	
On-the-Fly Data Capture Tooling for FHIR/HL7 V2	TH21	McDonald/Lynch/Wang								★	
Implementing Interoperability for US Regulatory Compliance: MACRA, Meaningful Use, and 21st Century Cures	TH24	Buitendijk/Lorenzi									★
Track 4—HL7 Information Forums—FREE TUTORIALS											
Orientation for First-Time Attendees	F1/F3	Marquard	3-4	7-8							
Understanding the HL7 International Organization—From Process to Governance	F2	Marquard	4-5								
ISO IDMP, Substances and Allergies	F4	Hay/Telonis		7-8							
Glossary Management—Defining and Managing the Terms Used by Healthcare SDOs	F5	Grain				7-8					
Introduction to Germany	F6	Heitman				7-8					
Work Group Facilitator Training Workshop	F7	Shakir						7-8			
GSI Standards for Supply Chain Meets HL7	F8	Hay						7-8			
Newly Elected Co-Chair Training	F9	Van Hentenryck								7-8	
How to Develop and Teach a Tutorial for HL7	F10	Grain								7-8	

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Affiliate Due Diligence Committee	Will not meet in January											
Anesthesia	Will not meet in January											
Architectural Review Board		Q3	Q2							Q3		
Arden Syntax			★	★								
Attachments			Q2		★	★	★	★	★			
Biomedical Research & Regulation				★	★	★	★	★	★	★		
Birds of a Feather - Enterprise Architect Users								5:15-6:15				
Board of Directors' Meeting						Lunch & ★						
CDA Management Group				Q4								
Clinical Decision Support					★	★	★	★	Q1			
Clinical Genomics				★	★	★	★	★				
Clinical Information Modeling Initiative	★	★	Q2	★	★	Lunch & ★	★	★	★	★		
Clinical Interoperability Council				Q3	Q2	★	Q2	Q3	★			
Clinical Quality Information			★	★	★	★	★	★	Q1			
Clinical Statement										Q3		
Clinicians on FHIR								Lunch			★	Q3
Co-Chair Information				5:15-7:00					7:00-8:00			
Community-Based Care and Privacy				★		Q3	★	★	★			
Conformance			★		★		★	★	★	Q3		
Education				Lunch & ★					★			
Electronic Health Records			★	★	★	★	★	★	★	★		
Electronic Services and Tools					Q2				Q1		Q1	
Emergency Care			Q2	★	★	Q4	Q1	Q4		Q3		
Facilitators' Roundtable Dinner/Meeting										5:30-8:00		
FHIR Connectathon (Note: There is also a meeting scheduled for Saturday, 9/10/2018, 5:00-10:00 pm)	★	★										
FHIR Governance Board		Lunch	7:00-8:00							Q4		
FHIR Infrastructure			★	★ & 7:00-10:00	★	★	★	★	★	Q3 & 5:30-8:00		
FHIR Management Group		Lunch		Lunch						Q4		
Financial Management			★				★	★	★			
General Session			8:00-8:45		8:00-8:45		8:00-8:45		8:00-8:45			
Governance and Operations Committee					Q2							
HL7 Terminology Authority											★	
Health Care Devices			★	★	★	★	★	★	★	★		
Healthcare Standards Integration						Q3				Q4		
Imaging Integration				Q4	★	★	★	★	★	★	★	Q3
Implementable Technology Specifications					★	★						

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm DISCLAIMER: Meeting times are subject to change.

	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Infrastructure & Messaging					★	★			Q1			
International Council		Lunch & ★								Lunch & ★		
Learning Health Systems								Q3	Q1	Q4		
Mobile Health					Q1	Q3 & 5:15-6:15	★	★	★		★	★
Modeling & Methodology				★			★	Q3	★	5:30-8:00		
Networking Reception								5:15-6:45				
Nurses Breakfast/Meeting					7:00-8:00							
Orders & Observations			★	★	★	★	★	★	★	★	Q1	
Patient Administration			★	★	★	★	★	★	★	★		
Patient Care			★	★	★	★	★	Lunch & ★	★	Lunch & Q3		
Payer Summit			8:15-12:30	★	★							
Pharmacy			★	★	★	★	★	★	★	★		
Physicians Breakfast/Meeting							7:00-8:00					
Policy Advisory Committee							Q1					
Process Improvement Committee				Q4								
Product Line Architecture Program											8:00-9:00	
Project Services										Q3		
Public Health			★	★	★	★	★	★	★	Q3		
Publishing				Q4			Q1	Q3				
Security				★	★	★	Q1	★	★			
Services Oriented Architecture				★	★	★	★	★				
Standards Governance Board		Q3									★	
Steering Divisions: Domain Experts Foundation & Technology Structure & Semantic Design Technical & Support Services				7:00-8:30								
Structured Documents			★	★	★	★	★	★	★	★	Q1	
Technical Steering Committee Meetings (Note: There is also a meeting scheduled for Saturday, 5/6, 9:00–5:00 pm)		5:15-6:15		5:15-6:15				Lunch				
Templates				Q3				Q3	Q1		Q1	
US Realm Steering Committee							7:00-8:00					
Vocabulary		★	★	★	7:00-8:00 & ★	★	★	★	7:00-8:00 & ★	★ & 5:30-8:00		

Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm DISCLAIMER: Meeting times are subject to change.

HL7 Working Group Meetings

REGISTRATION HOURS

Sunday	8:30 – 5:00 pm	Registration
Monday – Tuesday	7:00 – 5:00 pm	Registration
Wednesday – Thursday	7:30 – 5:00 pm	Registration
Friday	8:00 – 1:00 pm	Staff on Hand for Assistance

MEALS AND BREAKS

Monday – Thursday	7:30 – 8:30 am	Continental Breakfast
Friday	8:00 – 9:00 am	Continental Breakfast
Sunday – Friday	10:30 – 11:00 am	Morning Break
Sunday – Friday	12:30 – 1:30 pm	Lunch
Sunday – Thursday	3:00 – 3:30 pm	Afternoon Break

GENERAL SESSION ROOM

Please plan to attend the Monday through Thursday morning General Sessions for daily highlights, meeting announcements and changes.

Monday	8:30 – 12:30 pm	HL7 CEO, and International Council Reports, Announcements
Tuesday	8:00 – 8:45 am	HL7, CTO, and TSC Reports, Announcements
Wednesday	8:00 – 8:45 am	HL7 Board Report, Awards Presentations, Announcements
Thursday	8:00 – 8:45 am	Announcements
Friday	NO GENERAL SESSION	

Meeting times and locations are subject to change.

Note: In compliance with our status as an ANSI-accredited standards developing organizations, those HL7 meetings related to the development of standards are open.

Meetings

AFFILIATE DUE DILIGENCE COMMITTEE (ADDC)

Will not meet in January

ANESTHESIA (GAS)

Will not meet in January

ARCHITECTURAL REVIEW BOARD (ARB)

Sunday	1:45–3:00 pm	Hosting: SGB
Monday	11:00–12:30 pm	MEETING
Thursday	1:45–3:00 pm	MEETING

ARDEN SYNTAX (AS)

Monday	9:00–5:00 pm	MEETING
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ATTACHMENTS

Monday	11:00–12:30 pm	Joint w/ EHR, CIMI
Tuesday–Wednesday	9:00–5:00 pm	MEETING
Thursday	9:00–10:30 am	Hosting: FM
	11:00–12:30 pm	MEETING

BIOMEDICAL RESEARCH AND REGULATION (BR&R)

Monday	1:45–3:00 pm	Joint w/ EHR, CIMI, CIC, EC, PC
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/ O&O, Dev
	1:45–5:00 pm	MEETING
Wednesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/ O&O, II
	1:45–5:00 pm	MEETING
Thursday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/ PC, FHIR–I
	3:30–5:00 pm	MEETING

BIRDS OF A FEATHER—Enterprise Architect Users

Wednesday	5:15–6:15 pm	MEETING
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BOARD OF DIRECTORS' MEETING

Tuesday	12:30–1:30 pm	Luncheon
	1:45–5:00 pm	MEETING

CDA MANAGEMENT GROUP

Monday	3:30–5:00 pm	MEETING
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CLINICAL DECISION SUPPORT (CDS)

Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/ CQI, FHIR–I
	1:45–3:00 pm	Hosting: CQI, FHIR–I
	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	Joint w/ CQI, CIMI
	11:00–12:30 pm	Joint w/ CQI
	1:45–3:00 pm	Hosting: CQI
	3:30–5:00 pm	Hosting: CIMI, CQI
Thursday	9:00–10:30 am	Joint w/ O&O, Templates

CLINICAL GENOMICS (Clin Gen)

Monday	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR–I
Tuesday–Wednesday	9:00–5:00 pm	MEETING

CLINICAL INFORMATION MODELING INITIATIVE (CIMI)

Sunday	9:00–5:00 pm	MEETING
Monday	11:00–12:30 pm	Joint w/ EHR, Attachments
	1:45–3:00 pm	Joint w/ EHR, BR&R, CIC, EC, PC
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/ PC, EC
	11:00–12:30 pm	MEETING
	12:30–1:30 pm	Luncheon/Meeting Hosting: FHIR–I
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ PC, O&O, Voc
Wednesday	9:00–10:30 am	Joint w/ CQI, CDS
	11:00–12:30 pm	Joint w/ CIC
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ CDS, CQI
Thursday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/ Voc, CGIT
	3:30–5:00 pm	Joint w/ O&O

CLINICAL INTEROPERABILITY COUNCIL (CIC)

Monday	1:45–3:00 pm	Joint w/EHR, BR&R, CIMI, EC, PC
Tuesday	11:00–12:30 pm	Joint w/ EHR
	1:45–5:00 pm	MEETING
Wednesday	11:00–12:30 pm	Hosting: CIMI
	1:45–3:00 pm	MEETING
Thursday	9:00–10:30 am	MEETING
	11:00–12:30 pm	MEETING

CLINICAL QUALITY INFORMATION (CQI)

Monday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/ O&O
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: CDS, FHIR–I
	1:45–3:00 pm	Joint w/ CDS, FHIR–I
	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	Hosting: CDS, CIMI
	11:00–12:30 pm	Hosting: CDS
	1:45–3:00 pm	Joint w/ CDS
	3:30–5:00 pm	Joint w/ CDS, CIMI
Thursday	9:00–10:30 am	MEETING

CLINICAL STATEMENT (CS)

Thursday	1:45–3:00 pm	Hosting: O&O
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CLINICIANS ON FHIR — You **MUST** be a clinician to attend this meeting

Wednesday	12:30–1:30 pm	Luncheon/Meeting
Friday	9:00–3:00 pm	MEETING

CO–CHAIR INFORMATION

Monday	5:15–7:00 pm	Co–Chairs Dinner/Meeting
(Open Meeting; however, open for diners ONLY to Co–Chairs. Co–Chairs MUST register if you they wish to attend the dinner/meeting)		
Thursday	7:00–8:00 am	Newly Elected Co–Chair Training

COMMUNITY-BASED CARE AND PRIVACY (CBCP)

Monday	1:45–5:00 pm	Hosting: Sec
Tuesday	1:45–3:00 pm	Hosting: MH, Sec
Wednesday	9:00–10:30 am	Joint w/ EHR, FHIR–I, Sec
	11:00–5:00 pm	MEETING
Thursday	9:00–10:30 am	Joint w/ Sec, FHIR–I
	11:00–12:30 pm	MEETING

CONFORMANCE (CGIT)

Monday	9:00–12:30 pm	MEETING
Tuesday	9:00–12:30 pm	MEETING
Wednesday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Hosting: FHIR–I, Templates
	3:30–5:00 pm	MEETING
Thursday	9:00–10:30 am	Joint w/ Voc, InM
	11:00–12:30 pm	Joint w/ Voc
	1:45–3:00 pm	Joint w/ Voc, CIMI

EDUCATION

Monday	12:30–1:30 pm	Education Facilitators' Roundtable Luncheon/Meeting
	1:45–5:00 pm	MEETING
Thursday	9:00–10:30 am	MEETING
	11:00–12:30 pm	MEETING

ELECTRONIC HEALTH RECORDS (EHR)

Monday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: Attachments, CIMI
	1:45–3:00 pm	Hosting: BR&R, CIMI, CIC, EC, PC
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Hosting: MH
	11:00–12:30 pm	Hosting: CIC
	1:45–5:00 pm	MEETING
Wednesday	9:00–10:30 am	Hosting: CBCP, FHIR–I, Sec
	11:00–5:00 pm	MEETING
Thursday	9:00–5:00 pm	MEETING

ELECTRONIC SERVICES AND TOOLS (EST)

Tuesday	11:00–12:30 pm	MEETING
Thursday	9:00–10:30 am	MEETING
Friday	9:00–10:30 am	Joint w/ Templates, SD

EMERGENCY CARE (EC)

Monday	11:00–12:30 pm	Joint w/ PC, FHIR–I, SD
	1:45–3:00 pm	Joint w/ EHR, BR&R, CIMI, CIC, PC
	3:30–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/ PC, CIMI
	11:00–12:30 pm	MEETING
	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	MEETING
	3:30–5:00 pm	MEETING
Thursday	1:45–3:00 pm	MEETING

FACILITATORS' ROUNDTABLE DINNER/MEETING

Thursday	5:30–8:00 pm	Hosting: FHIR–I, MnM, Voc
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FHIR CONNECTATHON

Saturday	9:00–5:00 pm	MEETING
	5:30–10:00 pm	MEETING
Sunday	9:00–5:00 pm	MEETING

FHIR GOVERNANCE BOARD (FGB)

Sunday	12:30–1:30 pm	Luncheon/Meeting—Hosting: FMG
Monday	7:00–8:00 am	Breakfast/Meeting
Thursday	3:30–5:00 pm	Hosting: FMG

FHIR INFRASTRUCTURE (FHIR–I)

Monday	9:00–3:00 pm	MEETING
	11:00–12:30 pm	Joint w/ PC, EC, SD
	3:30–5:00 pm	Hosting: II, MnM, O&O, PC
	3:30–5:00 pm	Joint w/ Clin Gen

Meetings

FHIR INFRASTRUCTURE (FHIR-I) (continued)

Monday (continued)	3:30–5:00 pm	Joint w/ PH
	3:30–5:00 pm	Joint w/ SD
	7:00–10:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/ ITS
	9:00–10:30 am	Joint w/ PA
	9:00–10:30 am	Joint w/ SOA
	11:00–12:30 pm	Joint w/ CQI, CDS
	11:00–12:30 pm	Joint w/ InM
	11:00–12:30 pm	Joint w/ Pharm
	12:30–1:30 pm	Luncheon/ Meeting Joint w/ CIMI
	1:45–3:00 pm	Joint w/ CDS, CQI
	1:45–3:00 pm	Joint w/ PC
	3:30–5:00 pm	Joint w/ InM
	3:30–5:00 pm	Joint w/ SD
Wednesday	9:00–10:30 am	Joint w/ EHR, CBCP, Sec
	9:00–10:30 am	Joint w/ Voc, MnM
	11:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/ CGIT, Templates
	1:45–3:00 pm	Joint w/ MnM
	1:45–3:00 pm	Joint w/ O&O, PC, Pharm
	1:45–3:00 pm	Joint w/ Sec
	3:30–5:00 pm	Joint w/ II
	3:30–5:00 pm	Joint w/ FM
	9:00–10:30 am	Joint w/ Dev
	9:00–10:30 am	Joint w/ Sec, CBCP
Thursday	11:00–12:30 pm	Joint w/ MnM
	11:00–12:30 pm	Joint w/ O&O
	11:00–3:00 pm	MEETING
	1:45–3:00 pm	Joint w/ PC, BR&R
	1:45–3:00 pm	Joint w/ SD
	5:30–8:00 pm	Facilitators' Roundtable Dinner/ Meeting—Joint w/MnM, Voc

FHIR MANAGEMENT GROUP (FMG)

Sunday	12:30–1:30 pm	Luncheon/Meeting Joint w/FGB
Monday	12:30–1:30 pm	Luncheon/Meeting
Thursday	3:30–5:00 pm	Joint w/FGB

FINANCIAL MANAGEMENT (FM)

Monday	9:00–12:30 pm	MEETING
Wednesday	9:00–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR-I
Thursday	9:00–10:30 am	Joint w/ Attachments
	11:00–12:30 pm	Joint w/ PA

GOVERNANCE AND OPERATIONS (GOC)

Tuesday	11:00–12:30 pm	MEETING
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HL7 TERMINOLOGY AUTHORITY (HTA)

Friday	9:00–12:30 pm	MEETING
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HEALTH CARE DEVICES (DEV)

Monday	9:00–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Joint w/ O&O
	11:00–12:30 pm	Joint w/ O&O, BR&R
	1:45–5:00 pm	MEETING
Wednesday	9:00–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: MH
Thursday	9:00–10:30 am	Hosting: FHIR-I
	11:00–5:00 pm	MEETING

HEALTHCARE STANDARDS INTEGRATION WORK GROUP (HSI)

Tuesday	1:45–3:00 pm	MEETING
Thursday	3:30–5:00 pm	MEETING

IMAGING INTEGRATION (II)

Monday	3:30–5:00 pm	Joint w/ FHIR-I, MnM, O&O, PC
Tuesday	9:00–5:00 pm	MEETING
Wednesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/ O&O, BR&R
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR-I
Thursday	9:00–5:00 pm	MEETING
Friday	9:00–3:00 pm	MEETING

IMPLEMENTABLE TECHNOLOGY SPECIFICATIONS (ITS)

Tuesday	9:00–10:30 am	Hosting: FHIR-I
	11:00–5:00 pm	MEETING

INFRASTRUCTURE AND MESSAGING (InM)

Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: FHIR-I
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR-I
Thursday	9:00–10:30 am	Joint w/ Voc, CGIT

INTERNATIONAL COUNCIL MEETING

Sunday	12:30–1:30 pm	Luncheon
	1:45–5:00 pm	MEETING
Thursday	12:30–5:00 pm	Affiliate Chair or Designated Rep Luncheon/Meeting

LEARNING HEALTH SYSTEMS WORK GROUP (LHS)

Wednesday	1:45–3:00 pm	MEETING
Thursday	9:00–10:30 am	Joint w/ PC
	3:30–5:00 pm	MEETING

MOBILE HEALTH (MH)

Tuesday	9:00–10:30 am	Joint w/ EHR
	1:45–3:00 pm	Joint w/ CBCP, Sec
	5:15–6:15 pm	MEETING
Wednesday	9:00–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ Dev
	9:00–12:30 pm	MEETING
Thursday	9:00–5:00 pm	MEETING

MODELING AND METHODOLOGY (MnM)

Monday	1:45–3:00pm	MEETING
	3:30–5:00 pm	Joint w/ FHIR–I, II, O&O, PC
Wednesday	9:00–10:30 am	Joint w/ Voc, FHIR–I
	11:00–12:30 pm	Joint w/ Voc
Thursday	1:45–3:00 pm	Hosting: FHIR–I
	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: FHIR–I
	5:30–8:00 pm	Facilitators' Roundtable Dinner/ Meeting—Joint w/FHIR–I, Voc

NETWORKING RECEPTION

Wednesday	5:15–6:45 pm	RECEPTION
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NURSES BREAKFAST/MEETING

Tuesday	7:00–8:00 am	MEETING
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ORDERS AND OBSERVATIONS (O&O)

Monday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Hosting: CQI
	3:30–5:00 pm	Joint w/ FHIR–I, II, MnM, PC
Tuesday	9:00–10:30 am	Hosting: Dev
	11:00–12:30 pm	Hosting: BR&R, Dev
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ PC, CIMI, Voc
Wednesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: BR&R, II
	1:45–3:00 pm	Hosting: FHIR–I, PC, Pharm
	3:30–5:00 pm	MEETING
Thursday	9:00–10:30 am	Hosting: CDS, Templates
	11:00–12:30 pm	Hosting: FHIR–I
	1:45–3:00 pm	Joint w/ CS
	3:30–5:00 pm	Hosting: CIMI
Friday	9:00–10:30 am	MEETING

PATIENT ADMINISTRATION (PA)

Monday	9:00–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Hosting: FHIR–I
	11:00–5:00 pm	MEETING
Wednesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: PC
	1:45–5:00 pm	MEETING
Thursday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: FM
	1:45–5:00 pm	MEETING

PATIENT CARE (PC)

Monday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: EC, FHIR–I, SD
	1:45–3:00 pm	Joint w/ EHR, BR&R, CIMI, CIC, EC
	3:30–5:00 pm	Joint w/ FHIR–I, II, MnM, O&O
Tuesday	9:00–10:30 am	Hosting: CIMI, EC
	11:00–12:30 pm	MEETING
	1:45–3:00 pm	Hosting: FHIR–I
	3:30–5:00 pm	Hosting: CIMI, O&O, Voc
Wednesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/PA
	12:30–1:30 pm	Luncheon/Meeting
	1:45–3:00 pm	Joint w/ O&O, FHIR–I, Pharm
Thursday	3:30–5:00 pm	MEETING
	9:00–10:30 am	Hosting: LHS
	11:00–12:30 pm	MEETING
	12:30–1:30 pm	Luncheon/Meeting
	1:45–3:00 pm	Hosting: BR&R, FHIR–I

PAYER SUMMIT

Monday	8:15–5:00 pm	Summit
Tuesday	9:00–12:30 pm	Summit

PHARMACY (Pharm)

Monday	9:00–5:00 pm	MEETING
Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: FHIR–I
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ PH
Wednesday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/ O&O, FHIR–I, PC
	3:30–5:00 pm	MEETING
Thursday	9:00–5:00 pm	MEETING

PHYSICIANS BREAKFAST MEETING

Wednesday	7:00–8:00 am	MEETING
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POLICY ADVISORY COMMITTEE (PAC)

Wednesday	9:00–10:30 am	MEETING
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PROCESS IMPROVEMENT (PIC)

Monday	3:30–5:00 pm	MEETING
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PRODUCT LINE ARCHITECTURE PROGRAM

Friday	8:00–9:00 am	MEETING
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PROJECT SERVICES

Thursday	1:45–3:00 pm	MEETING
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Meetings

PUBLIC HEALTH (PH)

Monday	9:00–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR–I
Tuesday	9:00–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: Pharm
Wednesday	9:00–5:00 pm	MEETING
Thursday	9:00–3:00 pm	MEETING

PUBLISHING

Monday	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	MEETING
	1:45–3:00 pm	MEETING

SECURITY (Sec)

Monday	1:45–5:00 pm	Joint w/ CBCP
Tuesday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Joint w/ CBCP, MH
	3:30–5:00 pm	MEETING
Wednesday	9:00–10:30 am	Joint w/ EHR, CBCP, FHIR–I
	1:45–3:00 pm	Hosting: FHIR–I
	3:30–5:00 pm	MEETING
Thursday	9:00–10:30 am	Hosting: CBCP, FHIR–I
	11:00–12:30 pm	MEETING

SERVICES ORIENTED ARCHITECTURE (SOA)

Monday	1:45–5:00 pm	MEETING
Tuesday	9:00–10:30 am	Hosting: FHIR–I
	11:00–5:00 pm	MEETING
Wednesday	9:00–5:00 pm	MEETING

STANDARDS GOVERNANCE BOARD (SGB)

Sunday	1:45–3:00 pm	Joint w/ARB
Friday	9:00–12:30 pm	MEETING

STEERING DIVISIONS

Monday	7:00–8:30 pm	Domain Experts, Foundation & Technology, Structure & Semantic Design, Technical & Support Services
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STRUCTURED DOCUMENTS (SD)

Monday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/ PC, EC, FHIR–I
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR–I
Tuesday	9:00–10:30 am	MEETING
	11:00–12:30 pm	Joint w/ Voc
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Hosting: FHIR–I
Wednesday	9:00–5:00 pm	MEETING
Thursday	9:00–12:30 pm	MEETING
	1:45–3:00 pm	Hosting: FHIR–I
	3:30–5:00 pm	MEETING
Friday	9:00–10:30 am	Joint w/ Templates, EST

TECHNICAL STEERING COMMITTEE (TSC)

Saturday	9:00–5:00 pm	MEETING
Sunday	5:15–6:15 pm	MEETING
Monday	5:15–6:15 pm	Co–Chair Dinner/Meeting
Wednesday	12:30–1:30 pm	Luncheon/Meeting

TEMPLATES

Monday	1:45–3:00 pm	MEETING
Wednesday	1:45–3:00 pm	Joint w/ CGIT, FHIR–I
Thursday	9:00–10:30 am	Joint w/ O&O, CDS
Friday	9:00–10:30 am	Hosting: EST, SD

US REALM STEERING COMMITTEE

Wednesday	7:00–8:00 am	Breakfast/Meeting
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VOCABULARY (VOC)

Sunday	1:45–5:00 pm	MEETING
Monday	9:00–5:00 pm	MEETING
Tuesday	7:00–10:30 am	MEETING
	11:00–12:30 pm	Hosting: SD
	1:45–3:00 pm	MEETING
	3:30–5:00 pm	Joint w/ PC, CIMI, O&O
Wednesday	9:00–10:30 am	Hosting: FHIR–I, MnM
	11:00–12:30 pm	Hosting: MnM
	1:45–5:00 pm	MEETING
Thursday	7:00–8:00 am	MEETING
	9:00–10:30 am	Hosting: CGIT, InM
	11:00–12:30 pm	Hosting: CGIT
	1:45–3:00 pm	Hosting: CIMI, CGIT
	3:30–5:00 pm	MEETING
	5:30–8:00 pm	Facilitators' Roundtable Dinner/ Meeting—Joint w/FHIR–I, MnM

Meeting times and locations are subject to change.

Note: In compliance with our status as an ANSI–accredited standards developing organizations, those HL7 meetings related to the development of standards are open.

“EARLY BIRD” RATE DEADLINE — Advance meeting registration, including payment, is required by **January 8, 2018** to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 30–32) for a schedule of meeting fees.

TO REGISTER — Please complete the registration form on pages 30–32 and mail it (along with a check payable to Health Level Seven International in U.S. funds ONLY) to:

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

If paying by credit card, the registration may be faxed to: +1 (734) 677-6622.

Online registration is also available via our website (www.HL7.org). For your convenience, you can pay via a credit card directly from the site or print the registration form and mail it along with payment. Advance registrations **MUST** include payment. **No balance dues will be accepted and registrations received without payment will not be processed until the time that payment is received.** Registrations received with payment by the Early Bird deadline will receive the Early Bird discount. Registrations where payment is not received by then will require the full registration fee. Advance registrations will be accepted until **January 15, 2018**. After that time, registrations can only be made on-site. All on-site registrations require payment in full at the time of registration.

CANCELLATION POLICY — **Prepaid registrants who cancel prior to the Early Bird deadline will receive a full refund minus a \$50 processing fee. After that time, no refunds will be made.**

TUTORIAL CANCELLATION — Tutorials at HL7 working group meetings are an additional fee to the daily meeting registration fees. Please note that tutorials listed as free in the brochure still require payment of the daily meeting fee. To register for tutorials, please select each tutorial you would like to take on page 30 of the registration form.

The tutorial schedule is subject to change. A tutorial may be canceled if expected registration numbers are not met. If a tutorial is canceled, pre-registrants will be notified via email. The registrant may select another tutorial or a full refund of the tutorial fee will be made. However, meeting registration fees will not be refunded.

DRESS — The dress code is casual for all HL7 functions. Layered clothing is advised, as room temperatures vary.

MEALS — Continental breakfasts, refreshment breaks and lunches are included in the meeting registration fee and will be provided for all registered attendees Monday through Friday. Light continental breakfasts will be provided. Attendees wanting a full breakfast may order room service or go to the hotel restaurant at their own expense. Vegetarian and diabetic meals are available upon request. You must register for each day's lunch on your registration form in order to receive lunch tickets.

HOTEL INFORMATION — HL7's January Working Group Meeting will be held at:

HILTON NEW ORLEANS RIVERSIDE
Two Poydras Street
New Orleans, LA 70130
+1 (504) 584-3999 phone • +1 (504) 556-3788 fax

To reserve your room, the hotel has set up a special website registration process just for HL7 attendees. HL7 attendees should log on to <https://aws.passkey.com/e/49127720> and follow the reservation instructions.

Alternatively, you can call reservations directly at +1 (504) 584-3999. Be sure to mention Health Level Seven International to receive the discounted room rate of \$195 per night single or double occupancy. These rates will be offered three days prior and three days after the meeting dates, subject to availability of rooms at the time of reservation. Remember, there are a limited number of rooms available at the discounted rate, so reserve your room early. **The hotel cut-off date is January 8, 2018.** Room rates are subject to all applicable state and local taxes in effect at time of check in. If you need to cancel your room reservation, please do so 72 hours (three days) prior to your arrival date, and obtain a cancellation number. If you cancel within the three days, you will be charged one-night reservation fee.

For those making a reservation under the government rate of \$148 per night for January and \$173 per night for February, log on to the same website and click Government under Room Type. There are also a limited number of government rooms available at the discounted rate, so reserve your room early!

GROUND TRANSPORTATION — The Hilton New Orleans Riverside is approximately 13 miles from the Louis Armstrong New Orleans International Airport. It is 10 miles from the Lakefront Airport.

TAXI — From Louis Armstrong New Orleans Airport costs are approximately:

Limousine:	\$115	Super Shuttle:	\$24
Rental Car:	Prices vary	Taxi:	\$36

From Lakefront Airport costs are approximately:

Limousine	\$70
Taxi:	\$15
Rental Car:	Prices vary, call Hotel for information

PARKING — Self-parking will be \$20 per day. Please check with HL7 registration on-site on how to redeem lower costs.

PLEASE BOOK YOUR ROOM AT THE HL7 MEETING HOTEL

HL7 urges all meeting attendees to secure their hotel reservation at the HL7 Working Group Meeting Host Hotel. This hotel has been contracted to provide the best rate and service to our HL7 meeting attendees, including the vast number of meeting rooms that HL7 uses. In order to secure the required meeting space, HL7 has a contractual obligation to fill our sleeping room blocks. If you make reservations at a different hotel, HL7 risks falling short on its obligation, which translates in HL7 paying additional costs (penalties) to the hotel. Should this occur, HL7 will likely be forced to pass these costs onto our attendees through increased meeting registration fees. Therefore, to help avoid such fee increases, we urge you to book your hotel room at our host hotel. Thank you!

Meeting Registration Form

1. Contact Information

End of day on January 8, 2018 is the deadline for Early Bird fees. All advance registrations must be received by end of day on January 15, 2018. After this date, registrations can ONLY be made on-site with payment.

First Name	Last Name	
Title/Position	Organization	
Address		
City	State	Zip
Country		
Telephone	Fax	
Email	Nickname for Badge	

2. Survey & Information

I am a/an:

<input type="checkbox"/> Affiliate Chair	<input type="checkbox"/> Past Board Chair	<input type="checkbox"/> Tutorial Speaker
<input type="checkbox"/> First-Time WGM Attendee	<input type="checkbox"/> Payer Summit Speaker	
<input type="checkbox"/> HL7 Board Member	<input type="checkbox"/> Student	

Primary employment type:

<input type="checkbox"/> Academia	<input type="checkbox"/> Consultant	<input type="checkbox"/> Government	<input type="checkbox"/> Healthcare Professional
<input type="checkbox"/> Payer	<input type="checkbox"/> Pharmacy	<input type="checkbox"/> Provider	<input type="checkbox"/> Vendor
<input type="checkbox"/> Other: _____			

☐ I am a member of an HL7 International Affiliate, employee of an HL7 organizational member or member of another eligible organization (AHIP, AIRA, ASC-X12, ASCO, ASTM, CEN/TC 251, DICOM, eHI, GS1, HIMSS, HIMSS Europe, ICH, IEEE, IHTSDO, IRISS, LOINC, NCPDP, OASIS, OMG, Sequoia Project, WEDI) and eligible for the member rate.

Please list affiliate or organization: _____

☐ I am a full time student. (Option available only to full-time students who are not professionally employed.)

University attending: _____ Student # _____

Meal Requirements:

☐ Diabetic ☐ Regular ☐ Vegetarian ☐ Other: _____

Mail/Overnight

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

Fax

+1 (734) 677-6622

Online

www.HL7.org

3. Registration and Tutorial Fees:

You must register for either the ALL WEEK OPTION or the DAILY FEE in addition to any tutorials that you attend.

	Members		Non-Members		Amount Due
	Before 1/8	After 1/8	Before 1/8	After 1/8	
Sunday – Friday Option: Please register me for the entire week. Please note that the Sunday–Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$965	<input type="checkbox"/> \$1,255	<input type="checkbox"/> \$1,450	<input type="checkbox"/> \$1,880	\$ _____
Monday – Friday Option: Please register me for the entire week. Please note that the Monday–Friday Option does not include the cost of tutorials. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$810	<input type="checkbox"/> \$1,100	<input type="checkbox"/> \$1,215	<input type="checkbox"/> \$1,650	\$ _____
Per Day Fees: Please note tutorials are an additional fee on top of the daily fees. Additionally, tutorials that are listed as free still require registration for the daily meeting fees. Please register separately for any tutorials you would like to attend on the following page.	<input type="checkbox"/> \$230/day	<input type="checkbox"/> \$305/day	<input type="checkbox"/> \$345/day	<input type="checkbox"/> \$460/day	\$ _____
<input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday # _____ days attending x fee:					\$ _____

	Members		Non-Members		
	Before 1/8	After 1/8	Before 1/8	After 1/8	
FHIR Connectathon: Please note: No partial registrations for the FHIR Connectathon will be accepted. The registration fee covers all day Saturday and Sunday morning. FHIR Connectathon registration includes space at a table for one person with a laptop, one power connection (expected draw -100 W) and up to two wireless network connections with shared bandwidth. If you have additional hardware, space or connectivity requirements, please contact Maryann@HL7.org prior to registration. Venue constraints may limit HL7's ability to meet special requests Lunch and dinner will be provided on Saturday; lunch will be provided on Sunday for FHIR Connectathon participants.	<input type="checkbox"/> Participant: \$450 <input type="checkbox"/> Observer: \$550	<input type="checkbox"/> Participant: \$595 <input type="checkbox"/> Observer: \$695	<input type="checkbox"/> Participant: \$550 <input type="checkbox"/> Observer: \$650	<input type="checkbox"/> Participant: \$695 <input type="checkbox"/> Observer: \$795	\$ _____
HL7 Payer Summit Only: If you are already registering for Monday and Tuesday at the meeting, do not choose this option; the fee to attend this function is already included in that price.	<input type="checkbox"/> \$325 Members		<input type="checkbox"/> \$525 Non-Members		\$ _____
Payer Summit Tuesday Tutorial Preference: Please rank in order of preference: 1-3, with 1 being your first choice. Seats will be filled on a first-come, first-served basis.	<input type="checkbox"/> FHIR for Architects (T7) <input type="checkbox"/> Introduction to Clinical Document Architecture (T8) <input type="checkbox"/> Attachments for Reimbursement, Authorization, and Referrals (T9)				

☐ I plan to attend the **International Council Meeting** (Sunday).

A lunch ticket will be included in your registration packet.

☐ I plan to attend the **Clinicians on FHIR** (Friday).

Clinicians on FHIR is limited to clinicians from all disciplines – nurses, physicians, pharmacists, nutritionists and other patient care professionals – who are registered for the Working Group Meeting. **Registration before the Friday event is required. This event requires meeting registration to attend. Please be sure to register for Friday above.** See page 5 for details.

Deadline for Discounted Rates: Payment must be received by January 8, 2018 to qualify for the “Early Bird” rate. The full fee structure applies to all other registrations where payment is received after this date.

Cancellation/Refund Policy: Prepaid registrants who cancel prior to the Early Bird deadline will receive a full refund less a \$50 processing fee. After this date, no refunds will be given for ANY reason.

Payment Policy: Registrations for the meeting can only be paid for in US currency.

Meeting Registration Form

All individuals who are employed by an HL7 gold or benefactor organization must have their key member contact Mary Ann Boyle at maryann@hl7.org if they wish to use their organization's free tutorial seats for this meeting.

Tutorial Fees: Please register me for the following tutorials:

Please note that in order to attend any tutorials you must pay two fees: (1) daily meeting fee for the day of the tutorial, and (2) tutorial registration fee.

- SUN ☐ Track 4—Information Forums: First-Time Attendees' Orientation — FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)
- SUN ☐ Track 4—Information Forums: Understanding the HL7 International Organization – From Process to Governance — FREE TUTORIAL (F2) — Must sign up to attend this tutorial (Please check the box.)

MON Morning Sessions

- MON ☐ Track 4—Information Forums: First Time Attendees' Orientation — FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)
- MON ☐ Track 4—Information Forums: ISO IDMP,Substances and Allergies — FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)
- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: FHIR for Clinicians and Decision Makers (M1) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 3—General Interest: Overview of HL7 Standards for Interoperability (M2) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 3—General Interest: Healthcare Challenges, Technological Advances, and HL7's Response (M3) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
- Afternoon Sessions
- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: Introduction to HL7 FHIR (M4) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 1—FHIR: HAPI on FHIR (M5) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 3—General Interest: Implementing Standards for Real World Success (M6) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |

TUE Morning Sessions

- TUE ☐ Track 4—Information Forums: Glossary Management — FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)
- TUE ☐ Track 4—Information Forums: Introduction to Germany — FREE TUTORIAL (F6) — Must sign up to attend this tutorial (Please check the box.)
- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: FHIR for Architects (T7) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 2—CDA and C-CDA: Introduction to Clinical Document Architecture (T8) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 2—CDA and C-CDA: Attachments for Reimbursement, Authorization, and Referrals (T9) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
- Afternoon Sessions
- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: FHIR for Specifiers (T10) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 2—CDA and C-CDA: Consolidated CDA 2.1 (T11) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 2—CDA and C-CDA: Attachments: Technical Introduction for Architects and Implementers (T12) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |

WED Morning Sessions

- WED ☐ Track 4—Information Forums: Work Group Facilitator Training Workshop — FREE TUTORIAL (F7) — Must sign up to attend this tutorial (Please check the box.)
- WED ☐ Track 4—Information Forums: GS1 Standards for Supply Chain Meets HL7 — FREE TUTORIAL (F8) — Must sign up to attend this tutorial (Please check the box.)
- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: Introduction to FHIR for Software Developers (W13) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 1—FHIR: C-CDA on FHIR (W14) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 3—General Interest: Driving Health Information Exchange Using XDS with CDA and FHIR (W15) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
- Afternoon Sessions
- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: Understanding and Using Terminology in HL7 FHIR (W16) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 1—FHIR: FHIR for Clinical and Administrative Workflows (W17) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 1—FHIR: HL7 FHIR STU3 Proficiency Exam Review (W18) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |

THU Morning Sessions

- THU ☐ Track 4—Information Forums: Newly Elected Co-Chair Training — FREE TUTORIAL (F9) — Must sign up to attend this tutorial (Please check the box.)
- THU ☐ Track 4—Information Forums: How to Develop and Teach a Tutorial for HL7 — FREE TUTORIAL (F10) — Must sign up to attend this tutorial (Please check the box.)
- | | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 2—CDA and C-CDA: CDA Template Design in Theory and Practice (TH19) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 3—General Interest: US Law MACRA (TH20) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 3—General Interest: On-the-Fly Data Capture Tooling for FHIR/HL7 V2 (TH21) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
- Afternoon Sessions
- | | | | | | |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| Track 1—FHIR: Precision Medicine via FHIR: From Design to Deployment (TH22) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |
| Track 1—FHIR: HL7 FHIR STU3 Proficiency Exam (TH23) | <input type="checkbox"/> \$210 | <input type="checkbox"/> \$210 | <input type="checkbox"/> \$370 | <input type="checkbox"/> \$370 | \$ _____ |
| Track 3—General Interest: Implementing Interoperability for US Regulatory Compliance (TH24) | <input type="checkbox"/> \$115 | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$340 | <input type="checkbox"/> \$515 | \$ _____ |

Total Amount Due \$ _____

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

☐ Check (Please make payable to: Health Level Seven International) Credit Card: ☐ Visa ☐ Master Card ☐ American Express ☐ Discover

Number: _____ Expiration Date: _____

Name on Card (Please Print): _____ Billing Zip Code: _____



Cologne, Germany

May 12 – 18, 2018

Working Group Meeting

Maritim Hotel Cologne



Baltimore, MD

September 29 – October 5, 2018

**32nd Annual Plenary &
Working Group Meeting**

Hyatt Regency Baltimore Inner Harbor



San Antonio, TX

January 12 – 18, 2019

Working Group Meeting

Hyatt Regency San Antonio
on the Riverwalk



Montreal, Quebec

May 4 – 10, 2019

Working Group Meeting

Sheraton Le Centre



Atlanta, GA

September 14 – 20, 2019

Working Group Meeting

Atlanta Marriott Marquis



NEW ORLEANS, LOUISIANA

Imagine meeting in a city where cultures collide in a brilliant explosion of flavors, emotions and sounds. Nearly 300 years in the making and a timeless city with a unique way of life, New Orleans is a celebration. New Orleans is the birthplace of jazz, home to Creole cuisine and rich with history and unmatched southern hospitality. It's a city of chefs and delectable cuisine and a unique blend of French, Spanish, Caribbean and African cultural influences in our architecture, food, people and music. From the moment you arrive New Orleans will beckon your ears, allure your eyes and enchant your heart. Follow the scent of gumbo floating out the kitchen window, foster a path that leads to the sounds of drums and a Blues guitar, create the route that welcomes you to a historic mansion or a hidden courtyard... New Orleans is many things to many people – a home for the arts, a hub of innovation, an agent of inspiration.

With more than 1,400 restaurants, the city offers one of the most inconceivable – and incredibly diverse – concentrations of incomparable dining and unforgettable cuisine in the world. Because most of the city's restaurants, attractions, tours, accommodations and event venues are within walking distance of each other, it's easy to get around the “Big Easy” and is the perfect setting for networking. Take the historic streetcar down a line of shady oak trees on St. Charles Avenue, enhance an art collection in the Warehouse / Arts District galleries, and feast on authentic culinary delights that call Louisiana home. We believe our lagniappe – a little something extra – will stay with you, calling you back to discover the mystery behind our magical city. New Orleans is and will always be a picturesque metropolitan, a culturally rich haven and an authentic experience.

Excerpts and photos compliments of the New Orleans Convention and Visitors Bureau.

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