JANUARY • 2019

Working Group Meeting

January 12–18, 2019
Hyatt Regency San Antonio on the Riverwalk
San Antonio, Texas

Register Today!
Hotel & Early Bird Registration Cutoff: December 21, 2018
Online Registration Cutoff: December 28, 2018

Follow on Twitter for all the latest updates
#HL7WGM
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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.

<table>
<thead>
<tr>
<th>Work Group</th>
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<tbody>
<tr>
<td>Clinical Decision Support</td>
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<td>Clinical Genomics</td>
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<td>Clinical Interoperability Council</td>
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<td>Community-Based Care and Privacy</td>
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<td>Conformance</td>
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<td>Emergency Care</td>
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<td>FHIR Infrastructure</td>
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<td>Financial Management</td>
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<td>Health Care Devices</td>
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<td>Implementable Technology Specifications</td>
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<td>Infrastructure and Messaging</td>
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<td>Learning Health Systems</td>
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<td>Mobile Health</td>
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<td>Modeling and Methodology</td>
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<td>Orders and Observations</td>
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<td>Public Health</td>
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<td>Templates</td>
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What are HL7 Payer Summits?
As the healthcare industry increasingly needs to share information, the necessity for having standards-based interactions becomes more important, particularly for thepayer and provider community.

HL7 Payer Summits provide an intensive two-day snapshot of current work in standards development and how those efforts intersect with the needs of payers.

Who Should Attend?
Payer executives, directors, managers and other key staff in the following areas:
• Clinical and administrative data exchange areas
• Electronic health records
• Health information exchange
• Value-based care and alternate payment models
• Enterprise architecture
• Physician relations
• Customer relations and member engagement

Why Should I Attend?
HL7 established the Payer Summit programming as part of an initiative to support the payer community and its effort to make the implementation of standards easier and more efficient. Attending the Payer Summit is a great way for the community to come together to share standards-based solutions to your most pressing business needs.

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Program

DAY 1
8:30 am – 9:00 am
KEYNOTE: Health Informatics on FHIR: How HL7’s New API is Transforming Healthcare
Speaker:
Mark Braunstein, Professor of the Practice, School of Interactive Computer, Georgia Institute of Technology

9:00 am – 10:30 am
Payer/Provider Exchange
• Da Vinci Project Update
  Jocelyn Keegan, Project Manager, Da Vinci Project; Senior Consultant, Point-of-Care Partners
  Viet Nguyen, Technical Director, Da Vinci Project; Founder, Stratemetrics
• eHealth Record Exchange
  Lisa Nelson, Principal Informaticist, MaxMD
  Rick Geimer, Chief Innovation Officer, Lantana Consulting Group
• Provider Payer (P2) FHIR Taskforce Update
  Steve Posnack, Director of Standards and Technology, ONC (invited)
  Stephan Konya, Senior Innovation Strategist, ONC (invited)
• FHIR Application Presentation: Death on FHIR
  Paula Braun and Stephen Wertz (invited)

10:30 am – 11:00 am
Break

11:00 am – 12:30 pm
Federal Initiatives
• Blue Button on FHIR
  Ryan Howells, Principal at Leavitt Partners, CARIN Alliance
  Amol Vyas, Enterprise Architect, Cambia Health Solutions
• ONC and CMS Rulemaking Update
  Lorraine Doo, Senior Policy Advisor, Office of eHealth Standards, CMS (invited)
• Upcoming ONC Challenges
  Steve Posnack, Director of Standards and Technology, ONC (invited)
• FHIR Application Presentation: Azure API Management
  Michael Hansen (invited)
12:30 pm – 1:30 pm
Lunch

1:30 pm – 3:00 pm
Gold Sponsor Solution Sessions
Juxly, LLC
HealthLX

3:00 pm – 3:30 pm
Break

3:30 pm – 5:00 pm
FHIRside Chat: Senior Executive Panel on Healthcare Transformation
- Sagran Moodley, Senior Vice President, UHC Clinical Data Services, UnitedHealthcare Group (invited)
- Kirk Anderson, Vice President and CTO, Cambia Health Solutions (invited)
- Shafiq Rab, MD, Senior Vice President and CIO, Rush System for Health and Rush University Medical Center; 2019 Chair, CHIME (invited)
- Melanie Combs-Dyer, Director, Provider Compliance Group, CMS (invited)

5:00 pm – 6:30 pm
Networking Reception

DAY 2

9:00 am – 9:30 am
Description of Breakout and Report Out Sessions

9:30 am – 11:30 am
Breakout Sessions
- Da Vinci Project Breakout
  Facilitators: Jocelyn Keegan, Project Manager, Da Vinci Project; Senior Consultant, Point-of-Care Partners
  Viet Nguyen, Technical Director, Da Vinci Project; Founder, Stratemetrics
- P2 FHIR Taskforce Breakout
  Facilitator: Stephan Konya, Senior Innovation Strategist, ONC (invited)
- CARIN Alliance Breakout
  Facilitator: Ryan Howells

11:30 am – 12:30 pm
Reconvene and Reports from Breakout Sessions

12:30 pm – 2:00 pm
Adjourn/Lunch
What is a Working Group Meeting?

HL7 International working group meetings (WGMs) are held three times per year at varying locations and serve two important purposes:
- To provide 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.
- To 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 19–22 for a complete schedule of meeting times throughout the week.

Tutorials

Numerous educational opportunities will be offered at this WGM. Sessions will cover a full range of HL7–specific topics such as clinical genomics, the Clinical Document Architecture (CDA®), Fast Healthcare Interoperability Standards (FHIR®), among others. Educational sessions also include industry topics such as Electronic Health Records and standards for interoperability. For a full listing of course descriptions, please see pages 6–15.

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.

Education Tracks

WGM courses are organized into three tracks to make it easier to choose the educational offerings that are right for you:

Track 1 – HL7 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 – Special Interest Topics

The Special Interest 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 3 – HL7 Process & General Interest

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. We encourage you feel free to choose the whatever courses are right for you from among the four tracks.
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 two 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 helping evolve the FHIR specification.

Participation in the connectathon will be a 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: http://wiki.hl7.org/index.php?title=FHIR_Connectathon_20

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.

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 participating in FHIR development than by merely watching. Second, HL7 offers a discount to participants due to the beneficial impact of their work on the development of the FHIR specification.

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

C-CDA Implementation-A-Thon at the HL7 FHIR Connectathon!

The HL7 FHIR Connectathon now includes a new C-CDA Implementation-A-Thon (C-CDA IAT) track at the January 2019 HL7 Working Group Meeting. The C-CDA IAT track helps implementers work to reduce inconsistencies in HL7 Consolidated Clinical Document Architecture (C-CDA) implementations across the healthcare industry. Attendees will collaborate on clarifying C-CDA document creation questions as well as engage in exploratory sessions designed to bring clarity to less defined or emerging data representation in C-CDA.

Registration for the C-CDA IAT track allows participants to optimize their participation across CDA and FHIR related tracks. Attendees can choose to participate in the structured C-CDA IAT track activities that suit their needs and interests; or they may choose to participate in other aspects of the HL7 FHIR Connectathon. The event will allow CDA implementers the opportunity to test crossover functionality like the FHIR Conversion Challenge (C-CDA to C-CDA on FHIR bidirectional document conversion).

The CDA IAT track agenda consists of 90-minute quarters. This will facilitate participants’ ability to focus on the C-CDA topics of interest to them. The C-CDA IAT track includes quarters on FHIR and attachments, data provenance, care plan documents and USCDI (US core data for interoperability). It will also include a review of the evolving ONC Scorecard Rubric. In addition, the CDA IAT track includes pre-Connectathon virtual working sessions to introduce each topic and focus participants on getting the most out of their hands-on time in January.

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 26 of the registration form.

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 onsite. 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.
This track is ideal for CDA implementers interested in gaining exposure to HL7 FHIR and exploring the possibilities for harnessing both. The timing also makes it ideal for gaining exposure to CDA and FHIR before attending the HL7 Payer Summit.

HL7 FHIR Experience
Wednesday, January 16 / 9:00 am – 5:00 pm
Thursday, January 17 / 9:00 am – 5:00 pm

This is a two-day, hands-on FHIR training program. Practical exercises will be used to discuss FHIR theory on the first day. Implementation guides will be discussed on the second day.

The following topics will be covered in this program:

**Day 1: Base standards (including practical exercises):**
- FHIR Resources
- RESTFUL API – RESTFUL FHIR
- Searching with FHIR
- FHIR Beyond REST – Paradigms of exchange: FHIR transactions, operations, messages documents, services, batch, bulk transfer and storage
- FHIR Conformance and Terminology – FHIR conformance, constraints, extensions, implementation guides and terminology

**Day 2: Implementation guides (including use of a JavaScript client in a sandbox and practical exercises) and exam review:**
- US Core Profiles – Focus on specific profiles: patient, diagnostic report, results, medication statement
- Provider Directory Profiles – Focus on specific profiles: endpoint, location, organizer, practitioner
- FHIR Proficiency Exam Review

**This Tutorial Will Benefit:**
- Anyone interested in connecting his or her system/app to HL7 FHIR- or Argonaut-enabled EHRs or systems

**Faculty:**
- **Rik Smithies:** Technical Chair, HL7 UK; Independent Consultant, NProgram Ltd.
- **Simone Heckmann:** Dipl. Inform. Med.; Chair, HL7 Germany’s Technical Committee on FHIR; Board Member, HL7 Germany; CTO, Gefyra GmbH; CEO, Health-Comm GmbH
- **Dr. Eric Hass, DVM MS:** Member, HL7 FHIR Core Team; President and CEO, Health eData, Inc.

Introduction to HL7 FHIR
Monday, January 14 / 1:45 pm – 5:00 pm

HL7 Fast Healthcare Interoperability Resources (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:**
- Anyone involved in the designing, developing, implementing, and supporting the use of HL7 FHIR

**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:**
- **Jean Duteau:** Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Pharmacy Work Group; International Representative, HL7 Technical Steering Committee; Member, HL7 Education Advisory Council; Consultant, Duteau Design Inc.
Introduction to HL7 FHIR for Software Developers
Monday, January 14 / 1:45 pm – 5:00 pm

This tutorial takes an in-depth look into the infrastructure sections of the HL7 FHIR specification. It will provide insight on how to design, develop and test software that uses the HL7 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

Upon Completion of This Tutorial, Students Will Be Able To:
• List the four of interoperability paradigms supported by HL7 FHIR
• Describe the FHIR REST service operations and how to implement them
• Explain how the XML and JSON wire formats are used in HL7 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:
Richard Ettema, BS CompSci: Member, HL7 FHIR Infrastructure Work Group; Member, HL7 Conformance Work Group; Lead Consultant, Touchstone and Senior Architect and Author, WildFHIR Test Server, AEGIS.net, Inc.

Designing and Architecting HL7 FHIR Solutions
Tuesday, January 15 / 9:00 am – 12:30 pm

HL7 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, FHL7: Co-Editor, HL7 FHIR; Co-Chair, HL7 FHIR Infrastructure Work Group; Member, HL7 FHIR Management Group; Co-Chair, HL7 Modeling and Methodology Work Group; Modeling and Methodology Facilitator-at-Large; HL7 Fellow; Senior Consultant, Information Technology Services, Gevity Consulting Inc.

IHE on FHIR
Tuesday, January 15 / 9:00 am – 12:30 pm

This tutorial will review IHE profiles using HL7 FHIR. IHE on FHIR profiles cover a range of mobile applications, including alert communication; care services discovery; medication management among others; classical IHE domains like patient demographic query and cross referencing, access to documents and audit trail; and new domains such as inter-facility patient transport, vital records reporting, dynamic care planning and team engagement.

This Tutorial Will Benefit:
• Software architects, vendors and developers
• Individuals interested in software procurement

Upon Completion of This Tutorial, Students Will Be Able To:
• Understand the use of profiles (specifically IHE profiles)
• Know which new IHE profiles are based on FHIR
• Know where to find the IHE profiles based on FHIR and how to use them
• Understand the common guidance for the IHE use of FHIR (Appendix Z)
• Know how and when to test FHIR based products for IHE profiles
• Know the differences between classic and FHIR-based IHE profiles

Faculty:
John Moehrke: Co-Chair, HL7 Security Work Group; Member, HL7 FHIR Management Group; Member, HL7 FHIR Core Team; Co-Chair, IHE IT Infrastructure Planning Committee; Standards Architect, By Light Professional IT Services LLC

Mapping V2 and CDA to FHIR
Tuesday, January 15 / 1:45 pm – 5:00 pm

This tutorial provides an overview of the relevant HL7 FHIR features which can help with a successful integration into Version 2 (V2) and Clinical Document Architecture (CDA®) environments.

This Tutorial Will Benefit:
• Implementers, integration specialists and consultants working on solutions that need to support HL7 V2, HL7 CDA and FHIR

Upon Completion of This Tutorial, Students Will Be Able To:
• Understand advanced aspects of the FHIR specification relevant to the issue of integrating an event-driven, message-based standard with a query-driven, REST-based approach
• Work with the architecture of a FHIR bundle that supports the communication of V2 and CDA messages to FHIR endpoints

Faculty:
Simone Heckmann, Dipl. Inform. Med.: Chair, HL7 Germany's Technical Committee on FHIR, Board Member, HL7 Germany, CTO Gefyra GmbH, CEO Health-Comm GmbH
Jean Duteau: Co-Chair, HL7 Modeling and Methodology Work Group; Co-Chair, HL7 Pharmacy Work Group; International Representative, HL7 Technical Steering Committee; Member, HL7 Education Advisory Council; Consultant, Duteau Design Inc.

HL7 FHIR Profiling
Tuesday, January 15 / 1:45 pm – 5:00 pm

HL7 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 how 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:
Richard Ettema, BS CompSci: Member, HL7 FHIR Infrastructure Work Group; Member, HL7 Conformance Work Group; Lead Consultant, Touchstone and Senior Architect and Author, WildFHIR Test Server, AEGIS.net, Inc.

HAPI on FHIR
Wednesday, January 16 / 9:00 am – 12:30 pm

This tutorial will cover HAPI FHIR (http://hapi.fhir.io/), the reference implementation of HL7 FHIR for Java developers. It will discuss working with the FHIR data model, client and server development, validation and other related topics.

This tutorial includes 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: Project Lead, HAPI; Chief Technology Officer, Smile CDR; Standards Advisor, Center for Global eHealth Innovation

C-CDA on FHIR
Wednesday, January 16 / 9:00 am – 12:30 pm

Consolidated Clinical Document Architecture (C-CDA) on FHIR is an HL7 implementation guide that expresses the core C-CDA use case using FHIR resources. This tutorial will provide an overview of FHIR documents, the C-CDA on FHIR profiles, 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

Understanding and Using Terminology in HL7 FHIR
Wednesday, January 16 / 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

Clinical Genomics Using FHIR
Wednesday, January 16 / 1:45 pm – 5:00 pm

HL7 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 case for clinical genomic apps
• Describe how HL7 FHIR genomics enables clinical genomics
• Use HL7 FHIR to create a simple clinical genomic app
• Deploy a simple HL7 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

FHIR for Clinical and Administrative Workflows
Thursday, January 17 / 9:00 am – 12:30 pm

The tutorial will cover the existing HL7 FHIR structures and approaches for different types of workflows and the various capabilities available.

This Tutorial Will Benefit:
• Standards developers such as HL7 work group members and HL7 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 FHIR has that support workflow
• Explain what types of workflows require the use of the FHIR task
• List at least four considerations impacting on 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 and of the basics of healthcare workflows

Faculty:
Vassil Peytchev, FHL7: Lead Technical Adviser, Epic Systems Corporation; HL7 Fellow

Introduction to FHIR for Clinicians, Managers and Executives
Thursday, January 17 / 1:45 pm – 5:00 pm

This tutorial is intended for clinicians, managers and executives rather than the technical user. It will describe where FHIR fits in the healthcare interoperability space
and include 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 decision-makers
- Individuals in technical roles who are interested in the scope and place of FHIR rather than the details

**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 go to get more information

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

**Faculty:**
*John Hatem, MSN, MBA, FHL7*: Co-Chair, HL7 Pharmacy Work Group; Adjunct Faculty, University of Colorado, College of Nursing; HL7 Fellow; Domain experience includes nursing, product management and product strategy; Independent Consultant

**Clinical Quality Language**  
Monday, January 14 / 9:00 am – 12:30 pm

Clinical Quality Language (CQL) is an HL7 authoring language standard that’s intended to be human readable. It is part of the effort to harmonize standards used for electronic clinical quality measures (eCQMs) and clinical decision support (CDS). CQL provides the ability to express logic that is human readable yet structured enough for processing a query electronically. This tutorial will cover the general architecture of CQL and how it can be used with other data models such as HL7 FHIR and the Quality Data Model (QDM).

**This Tutorial Will Benefit:**
- Informaticists and programmers

**Upon Completion of This Tutorial, Students Will Be Able To:**
- Understand the general importance and architecture of CQL
- Identify basic CQL operators
- Demonstrate how CQL allows calculation of measures and scoring
- Understand how CQL can be used with multiple data models including FHIR and QDM
- Practice building some CQL clauses and libraries
- Identify the current tools and programs using CQL and consider what additional applications it could be used to accomplish

**Faculty:**
*Anne Marie Smith, MHSA, RN*: Director, Measure Validation, National Committee for Quality Assurance
*Chris Schuler, Eng*: Key Contributor, QI-Core; Editor, Opioid Prescribing Support Implementation Guide; Maintainer, CQL Engine; Maintainer, CQF Ruler; Engineer, HarmonIQ Health Systems Corporation
The Hitchhiker’s Guide to HL7  
Monday, January 14 / 9:00 am – 12:30 pm

This presentation provides a concise overview of the history, operational framework and standards of HL7. It is intended to be a guide to those seeking to engage in the HL7 standards development effort or to be consumers of HL7 products and services.

This Tutorial Will Benefit:

• Individuals curious about, but not yet engaged in, HL7 activities or the use of HL7 standards
• Those already familiar with, or engaged in, the use or development of HL7 standards may also find the distillation of the various aspects of HL7 useful to their work

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

• Know why and how to engage with HL7 to meet their objectives as subject matter expert, technical resource, specifier, developer, or implementer
• Determine which HL7 health information exchange standard is best suited for a particular use case

Faculty:
AbdulMalik Shakir, FHL7: HL7 Fellow; President and Chief Informatics Scientist, Hi3 Solutions; Principal Consultant, Shakir Consulting

Introduction to C-CDA 2.1  
Tuesday, January 15 / 9:00 am – 12:30 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 health IT 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

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, WaveOne Associates

Orientation for First-Time Attendees – FREE TUTORIAL  
Sunday, January 13 / 3:00 pm – 4:00 pm  
Monday, January 14 / 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 afternoon and again on Monday morning.

Faculty:
Ken McCaslin, FHL7: HL7 Fellow; Co-Chair, HL7 Orders/Observations Work Group; Past Chair, HL7 Technical Steering Committee; Past Board Member, HL7 International; Past Steering Division Co-Chair, HL7 Technical Steering Committee; Co-Chair, LRI/LOI IG Work Group
**F2** Understanding the HL7 International Organization – From Process to Governance – FREE TUTORIAL
Sunday, January 13 / 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
• Discuss the subject domains that HL7 International covers
• Describe the working group meeting format
• Explain how HL7 International ballots

Faculty:
Ken McCaslin, FHL7: HL7 Fellow; Co-Chair, HL7 Orders/Observations Work Group; Past Chair, HL7 Technical Steering Committee; Past Board Member, HL7 International; Past Steering Division Co-Chair, HL7 Technical Steering Committee; Co-Chair, LRI/LOI IG Work Group

**F4** ISO IDMP, Substances and Allergies – FREE TUTORIAL
Monday, January 14 / 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** Incorporating SNOMED CT Concepts in HL7 Standards – FREE TUTORIAL
Tuesday, January 15 / 7:00 am – 8:00 am

Want to use SNOMED CT content in a standard, or need additions to SNOMED CT content for your standard to function as needed? This tutorial will cover the process for inclusion and requests for change as well as what is needed BEFORE you submit your standard for harmonization.

This Tutorial Will Benefit:
• All who develop HL7 standards with content from external terminology systems
• Those who prepare harmonization proposals which include such content

Upon Completion of This Tutorial, Students Will Be Able To:
• Understand what the use of SNOMED CT means and implies
• Use and maintain the appropriate version of SNOMED CT in your standard
• Analyze when a request for change to SNOMED CT is needed
• Be able to request changes, additions or promotion of SNOMED CT content for HL7 use case
• Know licensing basics for SNOMED CT use in HL7 standards and information exchange
• Know where to go with additional questions on:
  ◦ SNOMED CT code selection and use
  ◦ SNOMED CT licensing for HL7 use
  ◦ SNOMED CT international relationships with HL7 International
• What you need for HL7 Harmonization involving SNOMED CT concepts

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
GS1 Standards for Supply Chain Meets HL7 – FREE TUTORIAL
Wednesday, January 16 / 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/gs1-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: 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

Introduction to GitHub for HL7 – FREE TUTORIAL
Wednesday, January 16 / 7:00 am – 8:00 am

As the official source for the HL7 FHIR specification, GitHub is a collaborative website ecosystem for developers and their projects. This tutorial will provide an overview with hands-on experience with GitHub.

This Tutorial Will Benefit:
• All HL7 members

Upon Completion of This Tutorial, Students Will Be Able To:
• Understand the GitHub environment
• Describe the role of GitHub in the HL7 FHIR specification
• Use the various browser tools related to GitHub to access the HL7 FHIR specification
• Demonstrate the use of GitHub in accessing the HL7 FHIR codebase using browser-based tools

Prerequisites
• None

Faculty:
Matt Blackmon: HL7 FHIR Proficient; Testing Programs Engineer, The Sequoia Project

Newly Elected Co-Chair Training – FREE TUTORIAL
Thursday, January 17 / 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, provide a framework for common operation among all work groups, and general Q&A session.

Faculty:
Karen Van Hentenryck: HL7 Associate Executive Director
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## Meetings at a Glance

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<td>Electronic Services and Tools</td>
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**Q1 = 9:00 – 10:30 am; Q2 = 11:00 – 12:30 pm; Q3 = 1:45 – 3:00 pm; Q4 = 3:30 – 5:00 pm; ★ AM = 9:00 am – 12:30 pm; ★ PM = 1:45 – 5:00 pm**

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

DISCLAIMER: Meeting times are subject to change.
HL7 Working Group Meetings

REGISTRATION HOURS
Saturday – 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
Saturday – Thursday 7:30 – 8:30 am  Light Continental Breakfast
Friday  8:00 – 9:00 am  Light Continental Breakfast
Saturday – Friday 10:30 – 11:00 am  Morning Break
Saturday – Friday 12:30 – 1:30 pm  Lunch
Saturday – 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 – 8:45 am  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

MEETINGS

Affiliate Due Diligence (ADDC)
Sunday  11:00 – 12:30 pm  MEETING

Anesthesia (GAS)
Will not meet in January

Architectural Review Board (ARB)
Sunday  11:00 – 12:30 pm  Hosting: SGB
Tuesday  11:00 – 12:30 pm  MEETING
Thursday  1:45 – 3:00 pm  MEETING

Arden Syntax (AS)
Monday  9:00 – 5:00 pm  MEETING
Tuesday  9:00 – 10:30 am  Joint w/ CDS

Attachments
Tuesday  9:00 – 5:00 pm  MEETING
Wednesday  9:00 – 3:00 pm  MEETING
3:30 – 5:00 pm  MEETING
Thursday  9:00 – 12:30 pm  MEETING

Biomedical Research and Regulation (BR&R)
Monday  9:00 – 3:00 pm  MEETING
3:30 – 5:00 pm  Joint w/ Pharm
Tuesday  9:00 – 5:00 pm  MEETING
Wednesday  9:00 – 3:00 pm  MEETING
3:30 – 5:00 pm  Joint w/ PC
Thursday  9:00 – 10:30 am  Hosting: FHIR-I
11:00 – 5:00 pm  MEETING

Board of Directors’ Meeting
Tuesday  9:00 – 5:00 pm  MEETING

Clinical Decision Support (CDS)
Tuesday  9:00 – 10:30 am  Hosting: AS
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  Hosting: CQI, QI
11:00 – 12:30 pm  Joint w/ CQI
1:45 – 3:00 pm  Hosting: CQI, Pharm
3:30 – 5:00 pm  Joint w/ CQI, CIMI

CDA Management Group
Monday  3:30 – 5:00 pm  MEETING

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  1:45 – 3:00 pm  Joint w/ O&O, CQI
3:30 – 5:00 pm  Joint w/ VoC
Tuesday  9:00 – 10:30 am  Joint w/ PC, EC, LHS
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, CQI, VoC
Wednesday  9:00 – 10:30 am  Joint w/ CDS, CQI
11:00 – 12:30 pm  Joint w/ CIC
1:45 – 3:00 pm  MEETING
3:30 – 5:00 pm  Joint w/ CQI, CDS
Thursday  9:00 – 12:30 pm  Joint w/ O&O
3:30 – 5:00 pm  Joint w/ LHS, CQI, PC, PH

Clinical Interoperability Council (CIC)
Monday  1:45 – 3:00 pm  Joint w/ EHR, EC
Tuesday  11:00 – 12:30 pm  Joint w/ EHR
1:45 – 3:00 pm  MEETING
Wednesday  9:00 – 10:30 am  MEETING
11:00 – 12:30 pm  Hosting: CIMI
1:45 – 5:00 pm  MEETING
Thursday  3:30 – 5:00 pm  Joint w/ LHS, CQI, PC, PH

Clinical Quality Information (CQI)
Monday  9:00 – 12:30 pm  MEETING
1:45 – 3:00 pm  Joint w/ O&O, CIMI
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  Joint w/ PC, CQI, VoC
Wednesday  9:00 – 10:30 am  Joint w/ CDS, CQI
11:00 – 12:30 pm  Joint w/ CIC
1:45 – 3:00 pm  MEETING
3:30 – 5:00 pm  Joint w/ CQI, CDS
Thursday  3:30 – 5:00 pm  Joint w/ LHS, CQI, PC, PH

Note: In compliance with our status as an ANSI-accredited standards developing organization, those HL7 meetings related to the development of standards are open.
### CLINICIANS ON FHIR
- **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
- **Thursday**: 7:00 – 8:00 am Newly Elected Co-Chair Training

### COMMUNITY BASED COLLABORATIVE CARE AND PRIVACY (CBCP)
- **Monday**: 1:45 – 5:00 pm Hosting: Security
- **Tuesday**: 11:00 – 12:30 pm MEETING
- **Wednesday**: 9:00 – 10:30 am Joint w/ EHR, FHIR-I, Sec, SOA
  - 11:00 – 12:30 pm MEETING
  - 1:45 – 3:00 pm Joint w/ Sec, FHIR-I
  - 3:30 – 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 – 10:30 am MEETING
- **Tuesday**: 9:00 – 12:30 pm MEETING
- **Wednesday**: 9:00 – 10:30 am Joint w/ Sec, FHIR-I
  - 11:00 – 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

### EDUCATION
- **Sunday**: 5:15 – 8:00 pm MEETING
- **Monday**: 12:30 – 1:30 pm Luncheon Meeting
- **Monday**: 1:45 – 5:00 pm MEETING
- **Thursday**: 9:00 – 12:30 pm MEETING

### ELECTRONIC HEALTH RECORDS (EHR)
- **Monday**: 11:00 – 12:30 pm MEETING
- 1:45 – 3:00 pm Hosting: CIC, EC
  - 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, SOA
  - 11:00 – 5:00 pm MEETING
- **Thursday**: 9:00 – 3:00 pm MEETING

### ELECTRONIC SERVICES AND TOOLS (EST)
- **Tuesday**: 11:00 – 12:30 pm MEETING
- **Thursday**: 9:00 – 3:00 pm MEETING

### EMERGENCY CARE (EC)
- **Monday**: 1:45 – 3:00 pm Joint w/ EHR, CIC
  - 3:30 – 5:00 pm MEETING
- **Tuesday**: 9:00 – 10:30 am Joint w/ PC, CIMI, LHS
  - 3:30 – 5:00 pm MEETING
- **Wednesday**: 3:30 – 5:00 pm MEETING
- **Thursday**: 1:45 – 3:00 pm MEETING

### FACILITATORS’ ROUNDTABLE MEETING
- **Thursday**: 5:30 – 6:30 pm Hosting: FHIR-I, MnM, Voc

### FHIR CONNECTATHON
- **Saturday**: 9:00 – 10:00 pm MEETING
- **Sunday**: 9:00 – 5:00 pm MEETING

### FHIR INFRASTRUCTURE (FHIR-I)
- **Monday**: 9:00 – 3:00 pm MEETING
- 3:30 – 5:00 pm Hosting: FM, II, MnM
- 3:30 – 5:00 pm Joint w/ ClinGen
- 3:30 – 5:00 pm Joint w/ PH
  - 6:00 – 7:00 pm MEETING
- **Tuesday**: 9:30 – 10:30 am Joint w/ ITS
  - 9:00 – 10:30 am Joint w/ PA
  - 9:00 – 10:30 am Joint w/ SD
  - 11:00 – 12:30 pm MEETING
  - 11:00 – 12:30 pm Joint w/ O&O
  - 11:00 – 12:30 pm Joint w/ Pharm
  - 12:30 – 1:30 pm Luncheon Meeting Joint w/ CMI
  - 11:00 – 3:00 pm Joint w/ CDS, CQI
  - 1:45 – 3:00 pm Joint w/ PC
  - 3:30 – 5:00 pm MEETING
- **Wednesday**: 9:00 – 10:30 am Joint w/ EHR, CBCP, Sec, SOA
  - 9:00 – 10:30 am Joint w/ Voc, MnM
  - 9:00 – 12:30 pm Joint w/ PA
  - 11:00 – 12:30 pm Joint w/ O&O
  - 11:00 – 3:00 pm Joint w/ CDS, CQI
  - 1:45 – 3:00 pm Joint w/ Sec, CBCP
  - 1:45 – 3:00 pm Joint w/ CGIT, Templates
  - 1:45 – 3:00 pm Joint w/ MnM
  - 3:30 – 5:00 pm Joint w/ II
  - 3:30 – 5:00 pm Joint w/ FM
  - 3:30 – 5:00 pm MEETING
- **Thursday**: 9:00 – 10:30 am Joint w/ Sec, CBCP
  - 9:00 – 10:30 am Joint w/ BR&R
  - 11:00 – 12:30 pm Joint w/ O&O
  - 11:00 – 3:00 pm MEETING
  - 5:30 – 6:30 pm Facilitators’ Roundtable Meeting— Joint w/ MnM, Voc

### FHIR MANAGEMENT GROUP (FMG)
- **Sunday**: 12:30 – 1:30 pm Luncheon Meeting
- **Monday**: 12:30 – 1:30 pm Luncheon Meeting
- **Thursday**: 3:30 – 5:00 pm MEETING

### FINANCIAL MANAGEMENT (FM)
- **Monday**: 11:00 – 3:00 pm MEETING
  - 3:30 – 5:00 pm Joint w/ FHIR-I, II, MnM
- **Wednesday**: 9:00 – 3:00 pm MEETING
  - 3:30 – 5:00 pm Hosting: FHIR-I
- **Thursday**: 11:00 – 12:30 pm Joint w/ PA

### GOVERNANCE AND OPERATIONS (GOC)
- **Tuesday**: 11:00-12:30 pm MEETING

### GOVERNMENT PROJECTS
- **Wednesday**: 10:00 – 12:30 pm MEETING

### HL7 TERMINOLOGY AUTHORITY (HTA)
- **Sunday**: 9:00 – 12:30 pm MEETING
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<td><strong>IMAGING INTEGRATION (II)</strong></td>
<td>Monday</td>
<td>1:45 – 3:00 pm</td>
<td>MEETING</td>
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<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/ FHIR-I, FM, MnM</td>
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<td>Joint w/ O&amp;O</td>
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<tr>
<td><strong>IMPLEMENTABLE TECHNOLOGY SPECIFICATIONS (ITS)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Hosting: FHIR-I</td>
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<td>Tuesday</td>
<td>11:00 – 5:00 pm</td>
<td>Joint w/ Voc, CGIT</td>
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<tr>
<td><strong>INFRASTRUCTURE AND MESSAGING (INM)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
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<td>Wednesday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: CGIT</td>
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<tr>
<td><strong>INTERNATIONAL COUNCIL MEETING</strong></td>
<td>Sunday</td>
<td>12:30 – 5:00 pm</td>
<td>Luncheon/ Meeting</td>
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<td>Thursday</td>
<td>12:30 – 5:00 pm</td>
<td>Luncheon/ Meeting</td>
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<tr>
<td><strong>LEARNING HEALTH SYSTEMS WORK GROUP (LHS)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/ PC, CIMI, EC</td>
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<td>9:00 – 10:30 am</td>
<td>Joint w/ PC</td>
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<td>Thursday</td>
<td>3:30 – 5:00 pm</td>
<td>Hosting: CIC, CQI, PC, PH</td>
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<tr>
<td><strong>MOBILE HEALTH (MH)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/ EHR</td>
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<td>Joint w/ Vog, FHIR-I</td>
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<tr>
<td><strong>MODELING AND METHODOLOGY (MNM)</strong></td>
<td>Monday</td>
<td>3:30 – 5:00 pm</td>
<td>Joint w/ FHIR-I, FM, II</td>
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<td>Hosting: FHIR-I</td>
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<td>Thursday</td>
<td>5:30 – 6:30 pm</td>
<td>Facilitators’ Roundtable Meeting—Joint w/ FHIR-I, Voc</td>
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<tr>
<td><strong>NETWORKING RECEPTION</strong></td>
<td>Wednesday</td>
<td>5:30 – 6:30 pm</td>
<td>Networking Reception</td>
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<tr>
<td><strong>NURSES BREAKFAST/MEETING</strong></td>
<td>Tuesday</td>
<td>7:00 – 8:00 am</td>
<td>Breakfast Meeting</td>
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<tr>
<td><strong>ORDERS AND OBSERVATIONS (O&amp;O)</strong></td>
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<td>9:00 – 10:30 am</td>
<td>MEETING</td>
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<td>Hosting: CIMI, CQI</td>
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<td>Hosting: Templates</td>
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<td>Hosting: PHARM</td>
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<td>3:30 – 5:00 pm</td>
<td>Hosting: CIMI</td>
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<tr>
<td><strong>PATIENT ADMINISTRATION (PA)</strong></td>
<td>Monday</td>
<td>9:00 – 5:00 pm</td>
<td>MEETING</td>
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<td>Joint w/ SD</td>
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<td>Hosting: FHIR-I</td>
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<td><strong>PATIENT CARE (PC)</strong></td>
<td>Monday</td>
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<td>Joint w/ PA</td>
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<td>Hosting: BR&amp;R</td>
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<td>Hosting: LHS</td>
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<td>11:00 – 12:30 pm</td>
<td>Joint w/ LHS</td>
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<td><strong>PHARMACY (PHARM)</strong></td>
<td>Monday</td>
<td>9:00 – 3:00 pm</td>
<td>MEETING</td>
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<td>3:30 – 5:00 pm</td>
<td>Hosting: BR&amp;R</td>
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<td><strong>NETWORKING RECEPTION</strong></td>
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<td>5:30 – 6:30 pm</td>
<td>Networking Reception</td>
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<td><strong>INTERNATIONAL COUNCIL MEETING</strong></td>
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<td>Luncheon/ Meeting</td>
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<td>MEETING</td>
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<td><strong>INFRASTRUCTURE AND MESSAGING (INM)</strong></td>
<td>Tuesday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: CGIT</td>
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<tr>
<td><strong>IMPLEMENTABLE TECHNOLOGY SPECIFICATIONS (ITS)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Hosting: FHIR-I</td>
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<tr>
<td><strong>LEARNING HEALTH SYSTEMS WORK GROUP (LHS)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/ PC, CIMI, EC</td>
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<td><strong>MOBILE HEALTH (MH)</strong></td>
<td>Tuesday</td>
<td>9:00 – 10:30 am</td>
<td>Joint w/ EHR</td>
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<tr>
<td><strong>MODELING AND METHODOLOGY (MNM)</strong></td>
<td>Monday</td>
<td>3:30 – 5:00 pm</td>
<td>Joint w/ FHIR-I, FM, II</td>
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<td><strong>NETWORKING RECEPTION</strong></td>
<td>Wednesday</td>
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<td>Networking Reception</td>
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<td><strong>NURSES BREAKFAST/MEETING</strong></td>
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<td>7:00 – 8:00 am</td>
<td>Breakfast Meeting</td>
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<td><strong>ORDERS AND OBSERVATIONS (O&amp;O)</strong></td>
<td>Monday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
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<td><strong>PATIENT ADMINISTRATION (PA)</strong></td>
<td>Monday</td>
<td>9:00 – 5:00 pm</td>
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<tr>
<td><strong>PATIENT CARE (PC)</strong></td>
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<td>MEETING</td>
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<tr>
<td><strong>PHARMACY (PHARM)</strong></td>
<td>Monday</td>
<td>9:00 – 3:00 pm</td>
<td>MEETING</td>
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<td>Meetings</td>
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<td><strong>PHYSICIANS BREAKFAST MEETING</strong></td>
<td>Wednesday</td>
<td>7:00 – 8:00 am</td>
<td>Breakfast Meeting</td>
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<td><strong>POLICY ADVISORY COMMITTEE (PAC)</strong></td>
<td>Tuesday</td>
<td>9:00 – 12:30 pm</td>
<td>MEETING</td>
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<td>MEETING</td>
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<td><strong>PROCESS IMPROVEMENT (PIC)</strong></td>
<td>Wednesday</td>
<td>1:45 – 3:00 pm</td>
<td>MEETING</td>
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<tr>
<td><strong>PRODUCT LINE ARCHITECTURE (PLA)</strong></td>
<td>Friday</td>
<td>8:00 – 9:00 am</td>
<td>MEETING</td>
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<tr>
<td><strong>PROJECT MANAGEMENT COUNCIL</strong></td>
<td>Tuesday</td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/ CBCP</td>
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<td>Joint w/ CBCP, FHIR-I, SOA</td>
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<td>Joint w/ EHR, CBCP, FHIR-I, SOA</td>
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<td>Joint w/ EHR, CBCP, FHIR-I, SOA</td>
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<td>Thursday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: CBCP, FHIR-I</td>
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<tr>
<td><strong>PUBLIC HEALTH (PH)</strong></td>
<td>Monday</td>
<td>9:00 – 3:00 pm</td>
<td>Joint w/ V2 Mgt Group</td>
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<td>Joint w/ V2 Mgt Group</td>
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<td>9:00 – 12:30 pm</td>
<td>Joint w/ LHS, CIC, CQI, PC</td>
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<td>Thursday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: Voc</td>
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<tr>
<td><strong>SECURITY (SEC)</strong></td>
<td>Monday</td>
<td>1:45 – 5:00 pm</td>
<td>Joint w/ CBCP</td>
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<td>Joint w/ EHR, CBCP, FHIR-I, SOA</td>
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<td>Joint w/ EHR, CBCP, FHIR-I, SOA</td>
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<td>Thursday</td>
<td>9:00 – 10:30 am</td>
<td>Hosting: CBCP, FHIR-I</td>
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<tr>
<td><strong>SERVICES ORIENTED ARCHITECTURE (SOA)</strong></td>
<td>Monday</td>
<td>1:45 – 5:00 pm</td>
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<td>Joint w/ EHR, CBCP, FHIR-I, Sec</td>
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<td>Thursday</td>
<td>1:45 – 5:00 pm</td>
<td>Hosting: MEETING</td>
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<tr>
<td><strong>STANDARDS GOVERNANCE BOARD (SGB)</strong></td>
<td>Sunday</td>
<td>11:00 – 12:30 pm</td>
<td>Joint w/ ARB</td>
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<td>Friday</td>
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<td>MEETING</td>
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<tr>
<td><strong>STEERING DIVISIONS</strong></td>
<td>Monday</td>
<td>7:00 – 8:30 pm</td>
<td>Administrative</td>
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<td>Monday</td>
<td>7:00 – 8:30 pm</td>
<td>Clinical</td>
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<td>Infrastructure</td>
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<td>7:00 – 8:30 pm</td>
<td>Organizational Support</td>
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<td><strong>STRUCTURED DOCUMENTS (SD)</strong></td>
<td>Monday</td>
<td>9:00 – 10:30 am</td>
<td>MEETING</td>
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<td>Joint w/ PC</td>
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<td>Hosting: FHIR-I</td>
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<td>MEETING</td>
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<tr>
<td><strong>TECHNICAL STEERING COMMITTEE (TSC)</strong></td>
<td>Saturday</td>
<td>9:00 – 5:00 pm</td>
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<td>5:35 – 7:00 pm</td>
<td>Co-Chair Dinner/ Meeting</td>
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<td>Wednesday</td>
<td>12:30 – 1:30 pm</td>
<td>Luncheon/ Meeting</td>
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<td><strong>TEMPLATES</strong></td>
<td>Monday</td>
<td>1:45 – 3:00 pm</td>
<td>Hosting: MEETING</td>
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<td>Wednesday</td>
<td>1:45 – 3:00 pm</td>
<td>Joint w/ CGIT, FHIR-I</td>
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<td>Joint w/ O&amp;O</td>
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<td>MEETING</td>
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<tr>
<td><strong>US REALM STEERING COMMITTEE</strong></td>
<td>Tuesday</td>
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<td>MEETING</td>
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<td><strong>V2 MANAGEMENT GROUP</strong></td>
<td>Monday</td>
<td>11:00 – 12:30 pm</td>
<td>Hosting: Publishing</td>
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<td>Hosting: Publishing</td>
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<tr>
<td><strong>VOCABULARY (VOC)</strong></td>
<td>Saturday</td>
<td>3:30 – 5:00 pm</td>
<td>MEETING</td>
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<td>Hosting: CMI</td>
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<td>Hosting: SD</td>
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<td>Hosting: MEETING</td>
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<td>Hosting: FHIR-I, MnM</td>
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<td>Hosting: CGIT, InM</td>
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<td>Hosting: MEETING</td>
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<td>5:30 – 6:30 pm</td>
<td>Joint w/ FHIR-I, MnM</td>
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**“EARLY BIRD” RATE DEADLINE**
Advance meeting registration, including payment, is required by December 21, 2018 to receive the discounted rates. Otherwise the full fee structure will apply. Consult the registration form (pages 24-26) for a schedule of meeting fees.

**TO REGISTER**
Please complete the registration forms on pages 24-26 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 December 28, 2018. After that time, registrations can only be made onsite. All onsite 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 26 of the registration form.

The tutorial schedule is subject to change. A tutorial may be cancelled if expected registration numbers are not met. If a tutorial is cancelled, 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. 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 January 2019 Working Group Meeting will be held at:

HYATT REGENCY SAN ANTONIO ON THE RIVERWALK  
23 Losoya Street, San Antonio, TX 78205

+1 (210) 222-1234 phone  
+1 (210) 227-4925 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://sanantonio.regency.hyatt.com/en/hotel/home.html?corp_id=G-HLV7 and follow the reservation instructions.

Reservations can be made directly by calling +1 888-421-1442. Be sure to mention Health Level Seven International to receive the discounted room rate of $209 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, a limited number of rooms are available at the discounted rate, so reserve your room early. The hotel cut-off date is December 21, 2018. Room rates are subject to all applicable state and local taxes in effect at time of check in. Cancellations should be made 72 hours (three days) prior to your arrival date, and a cancellation number should be obtained. Cancellations made within the three days will be charged a one night reservation fee.

Those making a reservation under the government rate of $126 per night should log on to https://sanantonio.regency.hyatt.com/en/hotel/home.html?corp_id=G-HLV7 and select Government under Room Type. There are a limited number of government rooms available at the discounted rate so reserve your room early!

**GROUND TRANSPORTATION**
The Hyatt Regency San Antonio is approximately 8.5 miles from the San Antonio International Airport.

**TAXI**
From the airport is approximately $25 one-way per car (does not include tip). Seating and luggage: six passengers; amount of luggage depends on size of bags. Pick up is on the lower level of the airport.

**AIRPORT SHUTTLE TRANSPORTATION**
- Yellow/Checker Cab: Phone: +1 (210) 222-2222  
- Concord Cab: Phone: +1 (210) 444-2222  
- AAA Express: Phone: +1 (210) 444-2222  
- SA Trans Shuttles: Phone: +1 (210) 281-9900

**PARKING**
The Hyatt Regency San Antonio offers self-parking as well as valet parking for hotel guests in the Central Parking Garage located across the street from the main hotel entrance. Valet parking is available at the hotels front entrance. The garage features 300 hotel parking spaces, including (10) handicapped parking zones and has 69” clearance.

**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!
1. Contact Information

End of day on December 21, 2018 is the deadline for Early Bird fees. All advance registrations must be received by end of day on December 28, 2018. After this date, registrations can ONLY be made onsite with payment.

First Name

Last Name

Title/Position

Organization

Address

City

State/Region

Postal Code

Country

Telephone

Fax

Email

Nickname for Badge

2. Survey & Information

I am a/an:

☐ Affiliate Chair

☐ First-Time WGM Attendee

☐ HL7 Board Member

☐ Past Board Chair

☐ Payer Summit Speaker

☐ Student

Primary employment type:

☐ Academia

☐ Consultant

☐ Government

☐ Healthcare Professional

☐ Payer

☐ Pharmacy

☐ Provider

☐ Vendor

☐ 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, 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: ____________________________
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.

<table>
<thead>
<tr>
<th></th>
<th>Members By 12/21</th>
<th>Members After 12/21</th>
<th>Non-Members By 12/21</th>
<th>Non-Members After 12/21</th>
<th>Amount Due</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sunday – Friday Option:</td>
<td>$965</td>
<td>$1,255</td>
<td>$1,450</td>
<td>$1,880</td>
<td>$_________</td>
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<tr>
<td>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.</td>
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<td>Monday – Friday Option:</td>
<td>$810</td>
<td>$1,100</td>
<td>$1,215</td>
<td>$1,650</td>
<td>$_________</td>
</tr>
<tr>
<td>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.</td>
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<tr>
<td>Per Day Fees:</td>
<td>$230/day</td>
<td>$305/day</td>
<td>$345/day</td>
<td>$460/day</td>
<td>$_________</td>
</tr>
<tr>
<td>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.</td>
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☐ Sunday  ☐ Monday  ☐ Tuesday  ☐ Wednesday  ☐ Thursday  ☐ Friday  #_____ days attending x fee: $_________

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<tr>
<th>HL7 FHIR Connectathon:</th>
<th>Members By 12/21</th>
<th>Members After 12/21</th>
<th>Non-Members By 12/21</th>
<th>Non-Members After 12/21</th>
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Please note: No partial registrations for the FHIR Connectathon will be accepted. The registration fee covers all day Saturday and Sunday. 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.

| HL7 FHIR Experience:    | $370             | $720               | $1,090               | $1,650                 | $_________ |

This event requires meeting registration to attend. Please be sure to register for Wednesday and Thursday above.

☐ I plan to attend the **HL7 Payer Summit** (Monday & Tuesday).

The Payer Summit is limited to payers, invited providers and sponsors – who are registered for the Working Group Meeting. This event requires meeting registration to attend. Please be sure to register for Monday and Tuesday above. See pages 3-4 for details.

☐ 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.

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**Deadline for Discounted Rates:** Payment must be received by December 21, 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

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.

<table>
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<td>Members By 12/21</td>
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</tbody>
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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.

Sunday, January 13
- [ ] Track 3—HL7 Process: Orientation for First-Time Attendees — FREE TUTORIAL (F1) — Must sign up to attend this tutorial (Please check the box.)
- [ ] Track 5—HL7 Process: Understanding the HL7 International Organization — FREE TUTORIAL (F2) — Must sign up to attend this tutorial (Please check the box.)

Monday, January 14

Morning Sessions
- [ ] Track 3—HL7 Process: Orientation for First-Time Attendees — FREE TUTORIAL (F3) — Must sign up to attend this tutorial (Please check the box.)
- [ ] Track 3—HL7 Process: ISO IDMP, Substances and Allergies — FREE TUTORIAL (F4) — Must sign up to attend this tutorial (Please check the box.)
  - Track 2—Special Interest: Overview of HL7 Standards for Interoperability (M1)
  - $115       $225       $340       $515   $
  - Track 2—Special Interest: Clinical Quality Language (M2)
  - $115       $225       $340       $515   $
  - Track 2—Special Interest: The Hitchhiker's Guide to HL7 (M5)
  - $115       $225       $340       $515   $

Afternoon Sessions
- [ ] Track 1—HL7 FHIR: Introduction to HL7 FHIR (M4)
  - $115       $225       $340       $515   $
- [ ] Track 1—HL7 FHIR: Introduction to HL7 FHIR for Software Developers (M5)
  - $115       $225       $340       $515   $
- [ ] Track 1—HL7 FHIR: HL7 FHIR Using SMART & CDS Hooks (M6)
  - $115       $225       $340       $515   $

Tuesday, January 15

Morning Sessions
- [ ] Track 3—HL7 Process: Incorporating SNOMED CT Concepts in HL7 Standards — FREE TUTORIAL (F5) — Must sign up to attend this tutorial (Please check the box.)
  - Track 1—HL7 FHIR: Designing and Architecting HL7 FHIR Solutions (T7)
  - $115       $225       $340       $515   $
  - Track 1—HL7 FHIR: IHE on FHIR (T8)
  - $115       $225       $340       $515   $
  - Track 2—Special Interest: Introduction to C-CDA 2.1 (T9)
  - $115       $225       $340       $515   $

Afternoon Sessions
- [ ] Track 1—HL7 FHIR: Mapping V2 & CDA to FHIR (T10)
  - $115       $225       $340       $515   $
- [ ] Track 1—HL7 FHIR: HL7 FHIR Profiling (T11)
  - $115       $225       $340       $515   $

Wednesday, January 16

Morning Sessions
- [ ] Track 3—HL7 Process: GS1 Standards for Supply Chain Meets HL7 — FREE TUTORIAL (F6) — Must sign up to attend this tutorial (Please check the box.)
- [ ] Track 3—HL7 Process: Introduction to Github for HL7 — FREE TUTORIAL (F7) — Must sign up to attend this tutorial (Please check the box.)
  - Track 1—HL7 FHIR: NAPi on HL7 FHIR (W12)
  - $115       $225       $340       $515   $
  - Track 1—HL7 FHIR: C-CDA on FHIR (W13)
  - $115       $225       $340       $515   $

Afternoon Sessions
- [ ] Track 1—HL7 FHIR: Understanding and Using Terminology in HL7 FHIR (W14)
  - $115       $225       $340       $515   $
- [ ] Track 1—HL7 FHIR: Clinical Genomics Using HL7 FHIR (W15)
  - $115       $225       $340       $515   $

Thursday, January 17

Morning Sessions
- [ ] Track 3—HL7 Process: Newly Elected Co-Chair Training — FREE TUTORIAL (F8) — Must sign up to attend this tutorial (Please check the box.)
  - Track 1—HL7 FHIR: HL7 FHIR for Clinical and Administrative Workflows (TH16)
  - $115       $225       $340       $515   $

Afternoon Sessions
- [ ] Track 1—HL7 FHIR: Introduction to FHIR for Clinicians, Managers and Executives (TH17)
  - $115       $225       $340       $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: ____________________________
Orlando, FL
February 11 – 15, 2019
HIMSS19 Global Conference & Exhibition
Visit HL7 Booth #4849
Orange County Convention Center

Montreal, Quebec
May 4 – 10, 2019
International Conference & Working Group Meeting
Sheraton Le Centre

Atlanta, GA
September 14 – 20, 2019
33rd Annual Plenary & Working Group Meeting
Atlanta Marriott Marquis

Sydney, Australia
February 1 – 7, 2020
Working Group Meeting
Venue TBD

San Antonio, TX
May 16 – 22, 2020
Working Group Meeting
Hyatt Regency San Antonio on the Riverwalk
San Antonio, Texas

San Antonio has always been a crossroads for travelers, explorers, and those on a quest for liberty. Its sights, sounds, tastes and past captivate, while friendly people, the relaxing river and a superb climate entice visitors to come back for more. From its important role in Texas independence to its fusion of cultures, San Antonio is a truly unique and authentic destination. Explore the routes of the conquistadors, the settlements of the first missions, and the Shrine of Texas Liberty—the Alamo. San Antonio’s heart is in its past—but its future is in its celebration of cultures.

For history buffs, San Antonio is a mecca. Native Americans first lived along the San Antonio River. A band of Spanish explorers and missionaries came upon the river in 1691, and because it was the feast day of St. Anthony, they named the river “San Antonio.” The actual founding of the city came in 1718 by Father Antonio Olivares, when he established Mission San Antonio de Valero. Known as the Alamo, it became permanently etched in the annals of history in 1836 when 189 defenders held the old mission against some 4,000 Mexican troops for 13 days. The cry “Remember the Alamo” became the rallying point of the Texan revolution against Mexico. Located in the heart of downtown, today the Alamo is a shrine and museum.

San Antonio’s old world Spanish flair and blend of cultures makes it one of America’s most picturesque cities. Amidst the daily hubbub of the metropolitan downtown, sequestered 20 feet below street level, lies one of San Antonio’s jewels—the River Walk.

A verdant oasis of cypress-lined paths, arched stone bridges, and lush landscapes, the River Walk winds its way through the middle of the business district. The River Walk has multiple personalities – quiet and park-like in some stretches, while other areas are full of activity with European-style sidewalk cafes, specialty boutiques, nightclubs and gleaming high-rise hotels. Experience San Antonio’s fiesta spirit, and see all that it has to offer. With so much to do, you’ll never want to go home.

Copy and photos courtesy of the San Antonio Conventions & Visitors Bureau.