Building Your FHIR Workforce

HL7 Education and Certification

HIMSS, Chicago

April, 2023



Our Team: Virginia Lorenzi

- Active in HL7 since 1994
 - Secretary HL7 Board
 - Co-Chair Patient Empowerment Workgroup
 - Member: Education Advisory
 Council, Policy Advisory Council,
 Executive Committee,
 Governance and Operations
 Committee
 - HL7 Faculty

- 30+ years Health IT experience
- NewYork—Presbyterian Hospital: Lead Technical Analyst
- Columbia University,
 Department of Biomedical Informatics: Faculty



Our Team: Sadhana Alangar

- HL7 Director of Education
- Over 30 years higher education experience as faculty and administrator in United States and India
- Ph.D. Business Administration (Corporate Finance)
- M.A. (Econometrics)
- B.S.C. (Mathematics)



Intended Audience

- Individuals considering HL7 FHIR certification and education
- Employers considering FHIR certification and education for their employees



Learning Objectives

- Explain the purpose and scope of the HL7 FHIR certification program
- Describe requirements for certification
- Know the logistics of the certification process
- Identify HL7 education that will help achieve certification
- Recognize the benefits of HL7 certification and education to advancement in the workplace



Purpose of Certification

- Help develop HL7 proficiency in the industry
- Help professionals achieve industry recognition for their levels of proficiency and expertise
- Help employers develop HL7 expertise in their workforce
- Help employers identify candidates with HL7 initiative and expertise
- Develop best practices and a standardized workforce



Scope of the HL7 Certification Program

- Current tests are focused on the fundamentals of the most implemented standards in HL7
- Focused on core essential knowledge to ensure certified individuals are equipped to use the standard
- Our focus is on testing knowledge and proficiency



Structure of the Tests

Format of test:

- Multiple choice, multi-select and true/false questions
- Closed book, but some tests provide specific resources you can use
- No penalties for guessing
- Two hours in length
- 50-70 questions; passing score varies (depends on test)



Understanding Test Scope and Logistics

 The best assurance to passing an HL7 certification test is to study and master the competencies in the test tip sheet

HL7 Tip Sheet

A 1- or 2-page document related to a specific HL7 test that describes the test format and enumerates what is covered

www.hl7.org/documentcenter/public/training/HL7 FHIR Proficiency Study Guide.pdf



Preparing to Get Certified

- Review the tip sheet to plan your approach
- Take HL7 training courses to build your competency
- Prepare by studying the standard!!!!!
- Leverage official HL7 certification preparation materials to ensure your readiness
- Register for the test



Test Specific Resources

- HL7 certification review courses
 - HL7 certification prep classes are designed specifically to help test takers as they finish their studies.
- HL7 practice tests
 - The official HL7 practice tests are carefully developed to reflect the actual test. If you struggle with the practice test, more preparation is required.



HL7 FHIR Study Guide

- Provides an overview of the relevant subject matter
- Can be used to focus on FHIR certification exam topics
- Contains chapter-specific knowledge exercises, essay questions and summary tests
- Answers are given at the end of the guide



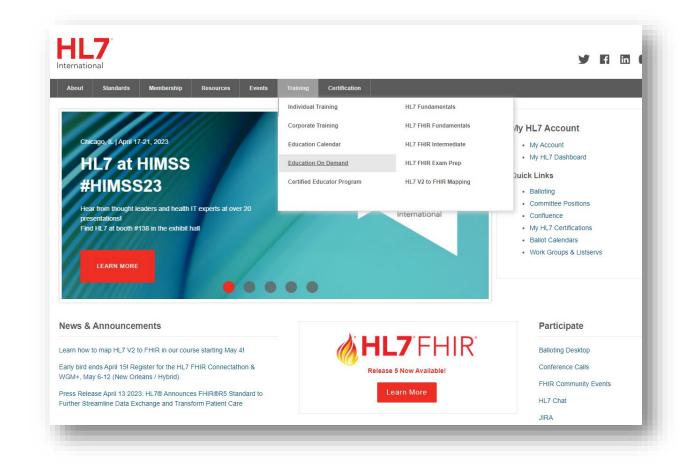
HL7 Education: Asynchronous Courses

- HL7 Fundamentals (February, May, September)
- HL7 FHIR Fundamentals (April, July, November)
- HL7 FHIR Intermediate (March, June, September)
- HL7 FHIR Proficiency Exam Prep Course (March, June, September)



HL7 Education on Demand

- 24/7 source for HL7 training and education!
 - Go to HL7.org
 - 2. Click the Training tab
 - 3. Select Education on Demand
 - Choose Certification Bundles and Practice Exams
 - 5. Try "All Recent Courses" for other HL7 Courses





2023 Education Catalog

- 1. Go to HL7.org
- Click on Training tab or Education Calendar
- 3. Fill out form to download

Upcoming Online Classes:

HL7 FHIR Terminology: April 25 - 27

HAPI FHIR: May 23 - 25



2023 Education Catalog

Straight From The Source



Online Events & Classes

HL7 FHIR Connectation 2-3 Days

An HL7 Fast Healthcare Interoperability Resources (FHIR*) Connectathon features hands-on FHIR development and testing. This is a chance to get your hands dirty and learn by helping evolve the FHIR specification!

Whether the format is virtual or in-person, implementers and developers can gain experience developing FHIR-based solutions and exchange data with other FHIR interfaces.

Participants select one of several tracks based on level of readiness and area of interest, and can engage in handson, heads down development and testing. There is an opportunity to work directly with other FHIR developers and senior members of the FHIR standards development team, and participants are expected to write some software intended to demonstrate FHIR connectivity.

EVENT DATES

May 6-7, 2023 September 9-10, 2023

FOR MORE INFORMATION

HL7.org/events/fhir-connectathon

HL7 FHIR Intermediate 6 Weeks | Self-paced

This intermediate level, six-week course for developers provides an overview on how to program FHIR clients and servers. It also features an introduction to the most relevant implementation guides in the healthcare IT market: Argonaut, IPS, SMART on FHIR and CDS Hooks. Hands-on exercises are included on how to implement HL7 FHIR, using widespread open source libraries for Ce, Java and JavaScript.

Participants will learn:

- How to navigate the Argonaut and IPS
- implementation guides
- What is involved in programming a FHIR client using Java, C# and JavaScript
- How to create a FHIR façade to integrate a legacy application

2023 HL7 Education Catalog

- How to use SMART on FHIR to integrate apps with EHRs
- How to use CDS Hooks to integrate clinical decision support to an app

Prior experience with FHIR is required. Background in software development using Java, C# or JavaScript is required to complete the course assignments. Completing the HL7 FHIR Fundamentals course is highly recommended.

COURSE DATES

June 1–July 13, 2023 September 14–October 26, 2023

INSTRUCTOR

Fernando Campos, FHL7: Chair, HL7 Argentina; Creator & Educator, HL7 Fundamentals, FHIR Fundamentals and FHIR Intermediate; Software Engineering Department Chief, Hospital Italiano de Buenos Aires; Author

Diego Kaminker, FHL7: Deputy Chief Standards Implementation Officer, HL7 International; Creator & Educator, HL7 Fundamentals, FHIR Fundamentals and FHIR Intermediate: Member, HL7 Argentina

HL7 FHIR Exam Prep 4 Weeks | Self-paced

The Comprehensive HL7 FHIR Proficiency Exam Preparation Course is a four-week, self-paced course that will prepare participants for taking the HL7 FHIR R4 Proficiency Exam.

Participants will learn:

- A solid knowledge of the concepts required to pass the HL7 FHIR R4 Proficiency Exam
- The test format and types of questions found in the exam
- Appropriate test taking strategies to deduce the correct answers in the exam
- How to practice thoroughly for exam by taking 150+ objective quiz questions

Participants are expected to have a good understanding of FHIR concepts.

COURSE DATES

June 15–July 13, 2023 September 28–October 26, 2023



Test Logistics

- Register and pay for test on HL7 website (Member and student discounts available)
- Delivered two ways:
 - Online proctored testing from your own computer
 - Onsite at Kryterion testing centers located around the world
- Receive results and certificate immediately upon completion



Certificate Exams

- 1. Go to HL7.org
- 2. Click the Training tab
- 3. Select Certificate Exams (General Information)
- Select the type of Exam
- Click Register (Top Right)
- 6. Select Certificate Exams from the left column

Store
Certification Exams







\$170.00 DEFAULT



HL7 FHIR (R4) Proficiency Student Version

\$170.00 DEFAULT



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HL7 Version 2 (V2) 2.8

\$315.00 Non-Member



HL7

CDA®

Specialist

HL7 Clinical Document

Architecture (CDA)

\$315.00 Non-Member

HL7 Version 2 (V2) 2.8 -Student Version

\$170.00 DEFAULT



HL7 Version 3 (V3) RIM 2.36

\$315.00 Non Member



HL7 Version 3 (V3) RIM 2.36 - Student Version

\$170.00 DEFAULT



HI7 FHIR (R4) Proficiency

\$315.00 Non-Member



Email Instructions

Step 2: Scheduling the Exam

To access the HL7 exam portal and schedule your exam date and location, use the following link and voucher code along with your log-in

credentials: http://www.webassessor.com/hl7

Your test taker login is: From Step 1

Your Password is: From Step 1

Voucher Code AEE62E22xxxxxx (case sensitive)



Click on your preferred exam delivery method from the options below:

- Kryterion Testing Network (KTN) testing center near me
- Online proctored* (on my computer at my location)

*Please note that if you choose "Online Proctored" you will need to have internet access and a webcam meeting minimal specifications.
You will be required to download and install software and set up a biometric profile at least 24 hours in advance of your testing date.

Directions for Online Proctored Test-takers

Please access the link below to download instructions on how to prepare for your Online Proctored exam. This must be done at least 24 hours prior to your scheduled appointment time.

Online proctored exam prep instructions

Once you review the PDF instructions, please access this link to check your computer's readiness for the online proctored exam: https://www.kryteriononline.com/support/

If you experience technical difficulties during set-up, launch, or within your Exam, please contact Kryterion Technical Support at 1-877-313-2008 or 1-602-659-4679.

For information on Health Level Seven® International's Certification Program, please visit our <u>HL7 Certification Website</u> where you can find:

- Exam Guides
- Study Materials
- FAQs



Upon Passing the Exam

- Test takers that pass the exam will receive recognition by:
 - a listing in the HL7 Certification
 Directory
 - a digital badge (to proudly display on social media)
 - a certificate





Benefits of Certification

- Test takers: Prove their understanding of a particular HL7 standard specification
- Employers: Can identify individuals with expertise
- For HL7 and the world: Quality of workforce is improved and standardized



Questions





Thank You & Contact Information

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