2019
Global Release

 1^{st} Session: Apr 4 – May 2 2^{nd} Session: Jul 18 – Aug 15 3^{rd} Session: Oct 31 – Nov 28

FHIR: Fast Healthcare Interoperability Resource Creating and exchanging electronic healthcare information

Learn by Doing

The HL7® FHIR® Fundamentals course is a four-week online workshop that provides an in-depth overview of HL7's newest standard Fast Healthcare Interoperability Resources (FHIR). Featuring live, hands-on exercises on how to implement HL7 FHIR, this is an ideal opportunity to apply newly gained knowledge.

At the end of the course, participants will be able to:

- Read the FHIR specification and know how it is organized
- Understand the concept of resource and the different interoperability paradigms supported by FHIR
- Comprehend the use of controlled vocabularies, master files, and entity registries in FHIR
- · Read and write FHIR resources
- Understand FHIR profiles and constraints and the use of extensions
- Understand the use of REST in FHIR, FHIR documents, transactions and messaging

Web-Based Training

- Instructors are HL7 subject matter experts and working professionals who help you step by step
- All course materials are available electronically
- Discussion forums promote student engagement and interaction
- Practical exercises within each module help students apply what they have learned
- Tutors provide evaluations and feedback on each module

Prerequisites

- No previous experience with FHIR or other HL7 standards is needed
- Familiarity with XML or JSON and some background in software development is recommended (exercises will be easier if participants have an XML or JSON editing environment)

How to Enroll

• Visit: www.HL7.org/training/fhir-fundamentals.cfm

PROGRAM

ONE MODULE / WEEK

MODULE 1 - INTRODUCTION

- ♦ Why FHIR / Core Principles
- ◆ Information Sources
- ◆ FHIR Status / Next steps
- ♦ What is a resource? Types of resources
- ◆ Key parts / Composition / Elements
- ◆ Resource Reference

MODULE 2 - RESTful FHIR

- ◆ What is REST / Why REST?
- ◆ Resource identity/metadata
- ◆ Versions/Conformance
- Create/Update/Delete a resource
- ◆ Non-CRUD Operations / Search

MODULE 3 — FHIR PARADIGMS

- Transactions / Messages / Documents
- ◆ Relationship with CDA R2
- ◆ FHIR Architectural Approaches

MODULE 4 — PROFILES / CONFORMANCE

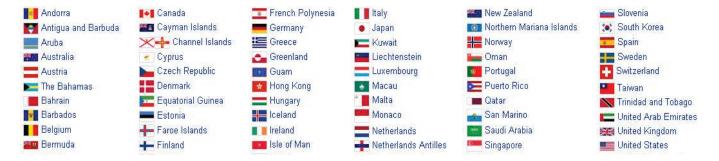
- ◆ Need for profiles / Profiling a Resource
- Extension Definition / Constraints
- ◆ Conformance levels

Full Course (4 Modules)

	Non-Member	Member	Student	Other*
Individual	\$1,260	\$840	\$675	\$420

Group Discounts for Members

Group Size	Discount	
5-10 members	5%	
11-20 members	10%	
21-40 members	15%	



^{*}For Lower Income Economies as determined by the World Bank. Visit data.worldbank.org/country to view classifications

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What

An introductory online course covering HL7 FHIR:

- Four-week online overview of HL7® FHIR® that features guided real-world exercises with instructor assistance and online feedback, including an interactive community for students and instructors
- There is one module released per week; during a typical week, students will:
 - Study from assigned reading materials
 - Get online assistance from your instructor
 - Apply what you learn in exercises
 - Receive feedback on your progress

Why

This is an invaluable educational opportunity for students to learn:

- How to navigate the HL7 FHIR specification
- What HL7 FHIR resources are and how they are structured
- Business case for HL7 FHIR adoption
- Advanced FHIR topics

Who?

This course is appropriate for a wide-range of HL7 users, from beginner to advanced:

- Targeted at software developers and implementers
- Will benefit most those who are responsible for implementing FHIR interfaces as well as architects and project leads that make decisions about where/how FHIR might be used within an organization

About HL7 International

Founded in 1987, Health Level Seven International, Inc. (www.HL7.org) is a not-for-profit, ANSI-accredited standards developing organization dedicated to providing a comprehensive framework and related standards for the exchange, integration, sharing and retrieval of electronic health information that supports clinical practice and the management, delivery and evaluation of health services.