



HL7 CDA Clinical Documents - Design and Implementation Workshop Program



Goals and Methodology

The main goal of this workshop is that our students acquire practical the basic knowledge and practical experience in the design and implementation process required to support HL7 CDA compliant clinical documents in software systems.

The workshop is focused on solving common problems, follow good practices, use the CDA specifications and available tool that simplifies the design and implementation process of CDA clinical documents. It has a very practical approach, and introduces fundamental concepts about HL7 v3 and the CDA model.

Why this workshop?

Today HL7 CDA documents are very common on health information systems. The standard provides a normalized way for clinical documentation creation, storing and sharing, requirements most systems have sooner or later. But the design and implementation of CDA is not trivial, the specifications are long and not easy to read, it requires certain level of knowledge about HL7 v3, lack of experience might lead to invalid implementations or just designed documents. This workshop was created to shorten the gap between the specifications and a correct implementation of CDA.

Target audience

This workshop can be taken by any person with basic programming skills and XML knowledge.

Program

Module	Topics
1. Intro to HL7 v3 and CDA	<ul style="list-style-type: none"> + HL7 v3: RIM, data types, domains and CDA + CDA levels + CDA header common data + Relationships between documents + XML header generation activity
2. Design and Validation of CDA	<ul style="list-style-type: none"> + CDA sections and entries + CDA design process + Study cases for CDA design + Validation of CDA documents + Document visualization with XSLT
3. Implementation Guides and Codes	<ul style="list-style-type: none"> + OIDs and other codes used in CDA + Terminology lookup for LOINC and SNOMED CT + CDA implementation guides analysis + Reusing common sections + CDA document processing with XPath

Modality

This workshop is 100% online. It has 3 live synchronous sessions, one per thematic module.

- Videoconference is given via Adobe Connect(*).
- Online session will be recorded to watch later.
- Presentations, reference documents, and code will be available on the Virtual Campus (+)

(*) provided by Hospital Italiano de Buenos Aires

(+) provided by ACHISA

Certification

ACHISA y CaboLabs, will emit PARTICIPATION certificates for all the students that sign up to this workshop.

Enrollment

To check if there is an active enrollment period for the workshop, check our education page (<https://www.cabolabs.com/en/education>). If the enrollment button is active, you can enroll, if the waiting list is active, you can sign up and receive a notification on the next open enrollment.

About the trainer

The course will be delivered by Pablo Pazos Gutiérrez. He is a Computer Engineer from Uruguay, specialized in the eHealth domain. Director of CaboLabs: Health Information Systems, Standards and Interoperability, and creator of the courses delivered through CaboLabs with the support of ACHISA.

More info: https://www.cabolabs.com/en/about_us/ing_pablo_pazos



Acknowledgements

ACHISA and CaboLabs thank the Hospital Italiano de Buenos Aires for the provision of the videoconference platform that allows us to deliver the online sessions.

ACHISA supports knowledge dissemination in the Health Informatics discipline, especially about the available standards and specifications.