HL7 INTERNATIONAL

NEWS

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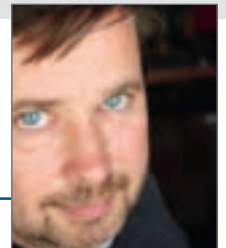
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A Retrospective on HL7's Process Improvement Committee

C-CDA 2.1 Template Library Available in ART-DECOR

ART-DECOR Templates for the Impatient: C-CDA 2.1 and Temple

What is C-CDA?

You are probably aware of the fact that the Consolidated CDA® (C-CDA) is a US-realm specification. Meanwhile, Release 2.1 has been published by HL7 International, with over 210 Templates and their associated value sets. Although it serves US-centric requirements – with US-specific code systems (such as CPT-4 and RxNorm) and value sets, US-specific identifiers, requires Race and Ethnicity that is inappropriate in many other countries, etc. – it has been, is, and will be a source of inspiration for a lot of other projects such as those happening in Europe.

ART-DECOR and C-CDA

After having transformed and published C-CDA 1.1 in HL7's Templates Exchange format (a draft standard for trial use (DSTU)) months ago, Version 2.1 was also made available. While the original C-CDA specifications focus on implementation guides, the ART-DECOR Building Block Repository (BBR) features all 370 templates and template versions as a template library that can easily be used in any ART-DECOR project, whether as-is or as a basis for refinement or adaptation.

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With assistance from ART-DÉCOR Expert Group members: Alexander Henket, Marc de Graauw, Maarten Ligtvoet, and Gerrit Boers

For more information about ART-DECOR's Building Block Repository feature, see:

http://art-decor.org/mediawiki/index.php/ Building_Block_Repository_(BBR)

Consolidated CDA Release 1.1 and 2.1

In addition to the C-CDA Release 1.1, published through the ART-DECOR BBR mechanism, C-CDA Release 2.1 was made available through exactly the same type of repository. It must be noted that this setup is an amalgamation of C-CDA 1.1 and 2.1. Templates and value sets are versioned and each is tied to one or more release of C-CDA.

The templates and value sets for 1.1 and 2.1 in this ART-DECOR project are transformations from the proprietary export format of the Lantana's Trifolia Workbench. They have been revised and manually corrected to fit the requirements of the Templates DSTU and to allow proper schematron generation. Please note that parts of the Trifolia Workbench maybe copyrighted by Lantana Consulting Group (see http://www.lantanagroup.com).

C-CDA: Everywhere as a Source of Inspiration and More

A couple of years ago a project started to harmonize epSOS (the European Patient Summary document) and the Continuity of Care Document (as in C-CDA). A revision is underway to eliminate some minor errors and flaws. The
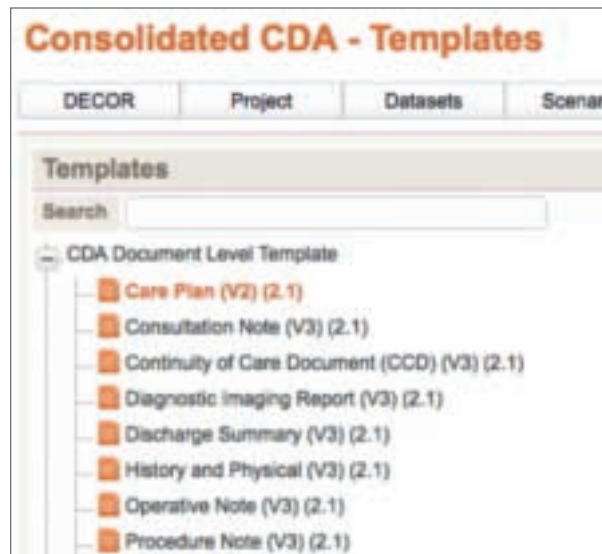

Figure 1: Navigation index of document level C-CDA Release 2.1 Templates in ART-DECOR

original epSOS specification in ART-DECOR can be found here:

http://art-decor.org/art-decor/decor-project--epsos-

A new project called "Interpas" (International Patient Summary) is seen as an attempt to create a document definition to exchange patient information for persons traveling between Europe and the United States. The specification is planned to be jointly balloted with ISO.

Originally included in C-CDA for Diagnostic Imaging Reports there is now the DICOM PS3.20 "Imaging Reports Using HL7 Clinical Document Architecture". It features two document level templates: Imaging Report

(1.2.840.10008.9.1) and Imaging Addendum Report (1.2.840.10008.9.24).

How to Use C-CDA in ART-DECOR

On the main servers hosted by the ART-DECOR Expert Group (ADEG), C-CDA 2.1 is available automatically. It is published under

http://art-decor.org/art-decor/decor-project--ccda-

In regular ART-DECOR projects it is easy to either link C-CDA Templates from the repository as-is by linking them into your project or to refine them by specialization or adaptation.
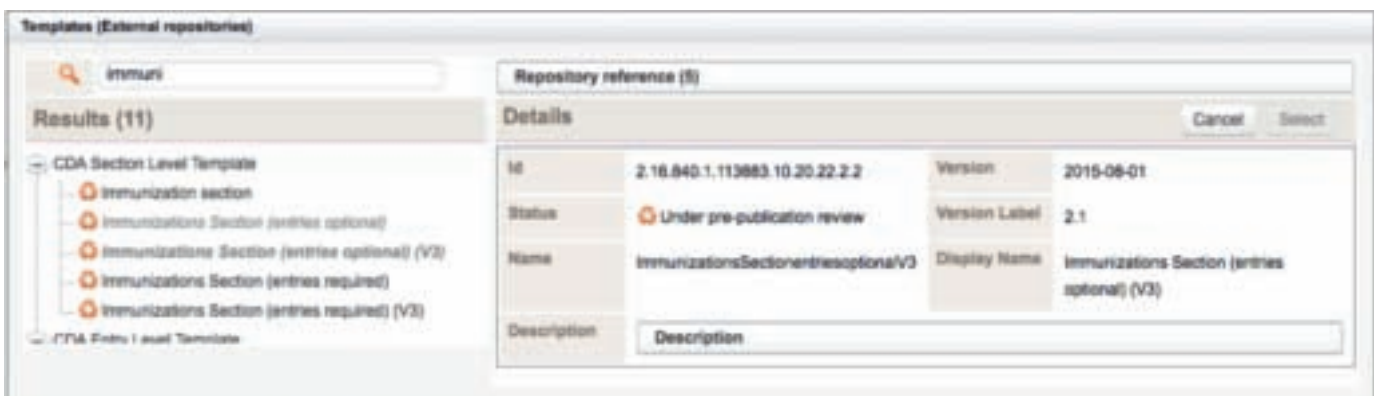
Figure 2: Simple search and link dialog to reference C-CDA Templates from the Building Block Repository in ART-DECOR

ART-DECOR Templates for the Impatient: C-CDA 2.1 and Temple

Temple: **ART-DECOR's Second Template Editor Released**

After completing intense testing, the ART-DECOR Expert Group has officially released *Temple*, the second HL7 Template Editor as part of the ART-DECOR tool suite.

In addition to the regular graphical Template Editor supporting tabular editing of templates, *Temple* offers an XML-like editor with extra support with auto-complete functionality for those who are familiar with HL7's Templates DSTU (HL7 Templates Standard: Specification and Use of Reusable Information Constraint Templates, Release 1) and prefer to work with XML-editing rather than a graphical tool.

Temple allows direct manipulation of the underlying definition in XML. It supports content completion, inspection of referenced artifacts, and validation of the definition before saving. ■

About ART-DECOR

ART-DECOR is an open-source tool suite that supports the creation and maintenance of HL7 templates, value sets as well as data sets. It features cloud-based federated Building Block Repositories (BBR) for templates and value sets. The tool offers a data set and a scenario editor, two template editors, a value set editor and includes browsers for various international terminologies such as LOINC and SNOMED CT.

ART-DECOR supports comprehensive collaboration of team members within and between governance groups. For an overview, see ART-DECOR: An Open-Source Tool Bridging the Chasm between Clinicians and Health IT in the September 2014 edition of the HL7 News (http://www.hl7.org/documentcenter/public/newsletters/HL7_NEWS_20140908.pdf).

ART-DECOR is used in over 30 projects throughout Europe and other parts of the world, e.g. the national infrastructure ELGA in Austria, the Dutch Nictiz (National Healthcare Standards Institute), the RIVM (National Institute of Public Health and the Environment in the Netherlands), HL7 and IHE Germany.

For more information go to http://art-decor.org or visit the ART-DECOR Blog at http://blog.art-decor.org on a regular basis.