

ART-DECOR Factsheet

DECOR (Data Elements, Codes, OIDs and Rules) is a methodology and persistence layer for capturing the data requirements of healthcare professionals in data sets and scenarios, and uses that information as a source for documentation and all necessary technical artifacts.

ART (Advanced Tooling Requirements) is a user interface to produce DECOR files and generate technical artifacts. ART is based on XML standards and the open source products eXist-db and Orbeon Forms.



With ART-DECOR, experts with different backgrounds, such as healthcare professionals, terminologists, architects, designers and programmers together enter the necessary data, iteratively improve and connect those, all using the same underlying data store. ART-DECOR registers datasets, data types, value sets, identifications, codes, business rules, (HL7v3) templates and contains version management and governance tools.

ART-DECOR is 100% open source and:

- Is the basis for capturing data definitions in healthcare.
- Offers various forms of publication.
- Supports working in multiple languages and localized in: English, German and Dutch.
- Contains issue management to iteratively improve data definitions.
- Enables and simplifies the creation and validation of examples and test scenarios.
- Contains tools for conformance testing of participating parties.
- Is suitable as a basis for code generators, automatic questionnaires, user interfaces, conversions of data formats, database diagrams and much more.
- Standards applied: ISO/IEC 11179 Information technology Metadata registries, ISO 21090 Health Informatics – Healthcare Datatypes, ISO 13582 Health Informatics – Sharing of OID Registry Information, IHE ITI Technical Framework Supplement – Sharing Value Sets 10 (SVS), HL7 CTS 2 Service Functional Model (SFM), HL7 C-CDA Templates, HL7 Templates Business Process Requirements Analysis, ISO/IEC 19757-3 Schematron.

Healthcare professionals and medical experts

Terminologists and medical coders

Architects, designers and programmers

Software vendors and IT service providers

ART-DECOR is used by:

- Regional and national networks for data exchange in healthcare.
- Larger healthcare institutions or collaborations to improve the internal data exchanges.
- Software vendors looking for simpler ways to implement complex specifications.
- IT service providers in healthcare such as ASPs.
- All parties who facilitate complex data exchanges or data stores in healthcare.

ART-DECOR reference sites:

ART-DECOR is leveraged in countries such as Germany, Austria, Norway and the Netherlands, at Nictiz (the National Healthcare Standards Institute) and RIVM (the National Healthcare Authority).

You're invited to check art-decor.org, the "[Demo: Minimal CDA Document](#)" there or visit [the DECOR site at Nictiz](#). For more information, contact the ART-DECOR expert group: [Kai Heitmann](#), [Gerrit Boers](#), [Maarten Ligtvoet](#), [Alexander Henket](#), [Marc de Grauw](#).