

ART-DECOR Factsheet

DECOR (Data Elements, Codes, OIDs and Rules) is a methodology for capturing the data requirements of healthcare professionals in datasets 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.

ART DECOR is 100% open source and:

- Is the basis for capturing data definitions in healthcare.
- Contains tools for governance and version management.
- Supports various forms of publication.
- Contains issue management to iteratively improve data definitions.
- Enables and simplifies the creation and validation of examples and test scenarios.
- Generates a web page on the fly to enter examples for each dataset.
- Contains tools for conformance testing of participating parties.
- Can be used by others as a basis for the construction of code generators, automatic questionnaires, user interfaces, conversions of data formats, database diagrams and much more.

Healthcare professionals and medical experts

Terminologists and medical coders

Architects, designers and programmers

Software vendors and IT service providers

ART-DECOR can be used by:

- Regional and national networks for data exchange in healthcare.
- Larger healthcare institutions or collaborations to improve the internal data exchanges.
- Software vendors in healthcare 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 in practice:

ART DECOR is used in Germany, Austria and the Netherlands, among others, at Nictiz (the National Healthcare Standards Institute) and RIVM (the National Healthcare Authority). Take a look at [the DECOR site at Nictiz](#), and see "DEMO Decor", or download ART-DECOR from [SourceForge](#) or see art-decor.org.

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