Arden Syntax and Clinical Decision Support

(<https://www.sciencedirect.com/science/article/pii/S1532046412000226>)

* Maintained by Health Level 7 (HL7)
* Arden Syntax is a actively developed Standard suitable for implementation of CDS Systems
* Represents clinical and scientific knowledge in an executable format (usable by CDSSs)
* Arden Syntax working group is currently responsible for the active development of the standard
* At the moment a standardized interface (GELLO) is in production, for accessing data in health information systems (HIS)
* Possibility to represent decision support logic independently from implementation details for specific HIS
* Hybrid between classical production rules and procedural representation of clinical algorithms
* Code in self-contained files called Medical Logic Modules (MLMs)
* Execution is triggered by data- of time-based events or by direct call