

Clinical Information Modeling Initiative

Mission

Improve the interoperability of healthcare systems through shared implementable clinical information models.

(A single curated collection.)

Charter

- Create a shared repository of detailed clinical information models
- Using an approved formalism
- Archetype Definition Language (ADL)
- Archetype Modeling Language (AML)
- Based on a common set of base data types
- With formal bindings of the models to standard coded terminologies
- Repository is open to everyone and models are licensed free for use at no cost

Models will support multiple contexts:

- EHR data storage and retrieval using standard APIs
- Message payload and service payload
- Decision logic (queries of EHR data)
- Clinical trials data (clinical research)
- Quality measures
- Normalization of data for secondary use
- Creation of data entry screens (like SDC)
- Capture of coding output from NLP

Work Products and Contributions to HL7 Processes

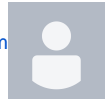
- Reference Information Model
- Shared repository of models
 - One or more examples of instance data will be created for each model
 - showing both proper and improper use
 - Models shall specify a single preferred unit of measure (unit normalization)
 - Models can support inclusion of processing knowledge (default values)
- Tools/compilers/transformers to create representations of the models to support software developers need (joint work)
- Tracking and documentation of the use of the models and the experience gained in using the models

Formal Relationships With Other HL7 Groups

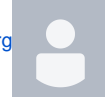
- FHIR
- Patient Care
- Clinical Decision Support
- Structured Documents
- Vocabulary
- Clinical Interoperability Council
- Service Oriented Architecture
- Templates
- Terminology Authority

Leadership

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Working Group Meeting - Pilot Functionality

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