

## Applicadia: Building a Legacy

Legacy EMRs capture clinical data using a combination of proprietary, enumerated data points and unstructured narrative text. FHIR™ and CQL™ challenge this by demanding structured records based on the collection of internationally recognized clinical ontologies (SNOMED-CT™, LOINC™, RxNorm™, etc.).

No two EMR platforms are alike, and no two analytics platforms are interoperable, but through FHIR and CQL, all EMRs and analytics platforms can share standardized clinical rules and formulas, exchange intraoperative clinical data and coordinate workflows. Health plans and providers are currently unable to coordinate their efforts across system boundaries. Through FHIR and CQL, payers and providers will be able to work collaboratively to implement processes that lower costs, reduce risk and increase quality of care.

The core capability of Applicadia's platform is an in-memory, clinical, computation engine — built from the ground up utilizing clinical ontologies — to meet the unique demands of performing FHIR and CQL coding while processing medical records in real time. Applicadia's goal is to offer a suite of technologies to the EMR community that facilitates this transition with as little disruption to its existing code base as possible. With Applicadia, current development teams gain migration pathways to the emerging standards which operate symbiotically with their existing architectures.

Clinical narrative has been subjected to dozens of efforts using Natural Language Processing (NLP) and Machine Learning (ML) to extract proprietary and ungoverned information that can never be assured of conforming to established standards. Applicadia addresses this challenge by leveraging NLP to act as a voice-driven tool, which dramatically reduces the effort to populate standardized forms with clinical terminology.

With Applicadia, computable electronic medical records can be dictated at a speed that has never been seen before. Visit Applicadia in Booth #4987 to see a feat that must be seen to be believed. Call 763-475-3388, and [www.applicadia.us](http://www.applicadia.us) for more information.

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