



Firely dQM – full feature overview

Firely dQM is a FHIR-native solution for Digital Quality Measures. It executes CMS, HEDIS[®], and custom quality measures directly on FHIR data. It is built for payers, providers and the vendors who serve them.

The Firely dQM features are built up in four layers. The overview below walks through them from the foundation upwards and covers what is available across every layer.

The four layers	
01 — Foundational layer Proven engineering, purpose-built for dQM.	• Purpose-built for digital quality measures, deployed as its own service • Runs on the same proven .NET technology stack that powers Firely Server • Open-source .NET CQL SDK at its core, maintained by Firely and NCQA • Deploy anywhere: on-prem, Azure, AWS, GCP, Docker and Kubernetes
02 — Conformance layer Conformance from the ground up. FHIR-native throughout.	HEDIS • NCQA • Certified against NCQA HEDIS MY2025 and MY2026 CMS • Supports all FHIR-based CMS eCQMs • Ready for the CMS transition to all-digital measures by 2030 CONTENT • NCQA and CMS content ships bundled, with Firely maintaining the updates • Terminology resolved for you, nothing to maintain by hand Standards: CQL 1.5.0 • Using CQL With FHIR IG 2.0.0 • Quality Measure IG 1.0.0
03 — Database layer Works with the data you already have.	• Any external FHIR server, via the \$everything operation • Or native integration with Firely Server's own databases: MongoDB and SQL Server • Standardized FHIR data, so no separate supplemental data files

04 — Analytics layer

Act on gaps, not just report them.

- Care gaps management across HEDIS and CMS quality programs
- Run on demand and see exactly which patients met a measure and which did not
- Prospective and retrospective FHIR-based Measure analytics
- Point-of-care Clinical Decision Support, from the same rules you report on
- AI on top: rank gaps for outreach, explain why a patient missed a measure
- Continuous updates as the data changes

Delivered through the Firely dQM APIs, built into your own application.

Across every layer

All API driven

No proprietary endpoints.
Everything is standard FHIR.

- Run ad-hoc CQL, no stored artifact needed
- Execute a stored CQL library
- Evaluate a measure for one patient or your entire patient list
- Ask what data a measure needs before running it

Scoring and evaluation

Scoring

- Proportion
- Cohort
- Ratio
- Mixed scoring across groups within one measure

Populations and reports

- Patient-based and encounter-based measures
- Individual, summary and subject-list MeasureReports
- Counting follows the HL7 Quality Measure IG membership rules
- Raw-counts mode for NCQA certification

Platform

- FHIR R4
- US-realm (cqfm) and universal-realm (cqm) measure profiles
- Evaluate on server data, inline data or remote FHIR servers over OAuth2
- Large populations run in configurable batches
- OpenTelemetry tracing across the whole evaluation