

Setting eCQMs on FHIR

Progression to Electronic Clinical Quality Measures (eCQMs) and Digital Quality Measures (dQMs) with HL7 Fast Healthcare Interoperability Resources (FHIR®)

What is FHIR?

FHIR is a data interoperability platform created by the HL7 Community that:

- Standardizes data capture to support eCQM and dQM requirements for patient-centered care
- Uses the latest technology to streamline the sharing of data
- Defines 'Resources' as the fundamental standard blocks of data

Why FHIR for eCQMs & dQMs?

Promote Interoperability to Reduce Burden

– Align quality measurement with industry standards to reduce mapping effort

Simplify Data Exchange

– Enable automated data retrieval from EHRs and submission of quality data through use of standards-based APIs

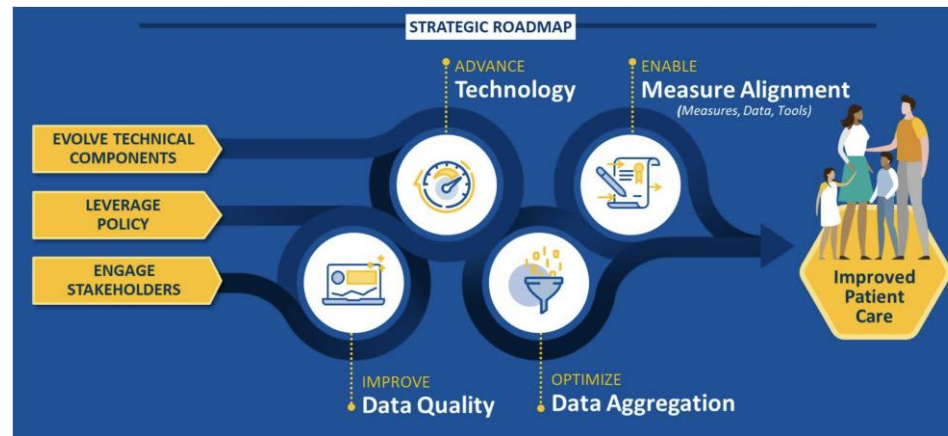
Engage the Community

– Enlist the diverse community of FHIR stakeholders to help drive development of standards that are most useful to users

CMS dQMs

dQMs are quality measures:

- Use standardized, digital data from one or more sources (wearable devices, HIEs, administrative systems) of health information, captured and exchanged via interoperable systems using FHIR APIs.
- Are computable in an integrated environment.
- eCQMs are considered a type of dQM.



eCQI Ecosystem



Highlights the ideal iterative flow of evidence-based information from research to clinical practice and measurement to evaluate clinical performance and outcomes for healthcare organizations.

References

- CMS. (2022). *Digital Quality Measurement Strategic Roadmap*. https://ecqi.healthit.gov/sites/default/files/CMSdQMStrategicRoadmap_032822.pdf
- CMS. (n.d). *Reference Brief: Digital Quality Measurement eCQMs*. https://ecqi.healthit.gov/sites/default/files/Digital%20Quality%20Measurement%20eCQMs%20reference%20brief_508ed.pdf
- eCQI Resource Center. (2023, September 7). *dQMs—Digital Quality Measures* | https://ecqi.healthit.gov/dqm?qt-tabs_dqm=1

Acronyms

CQL: Clinical Quality Language
DEQM: Data Exchange for Quality Measures
eCQM: Electronic Clinical Quality Measure
HL7: Health Level Seven International

HQMF: Health Quality Measure Format
QDM: Quality Data Model
QI-Core: Quality Improvement Core
QRDA: Quality Reporting Document Architecture

How do I learn more?

Visit the eCQI Resource Center for recorded sessions and upcoming training events at at

<https://ecqi.healthit.gov>

Contact the FHIR eCQM Standards Team: ecqm@icf.com