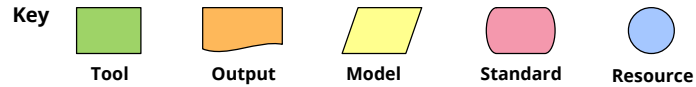


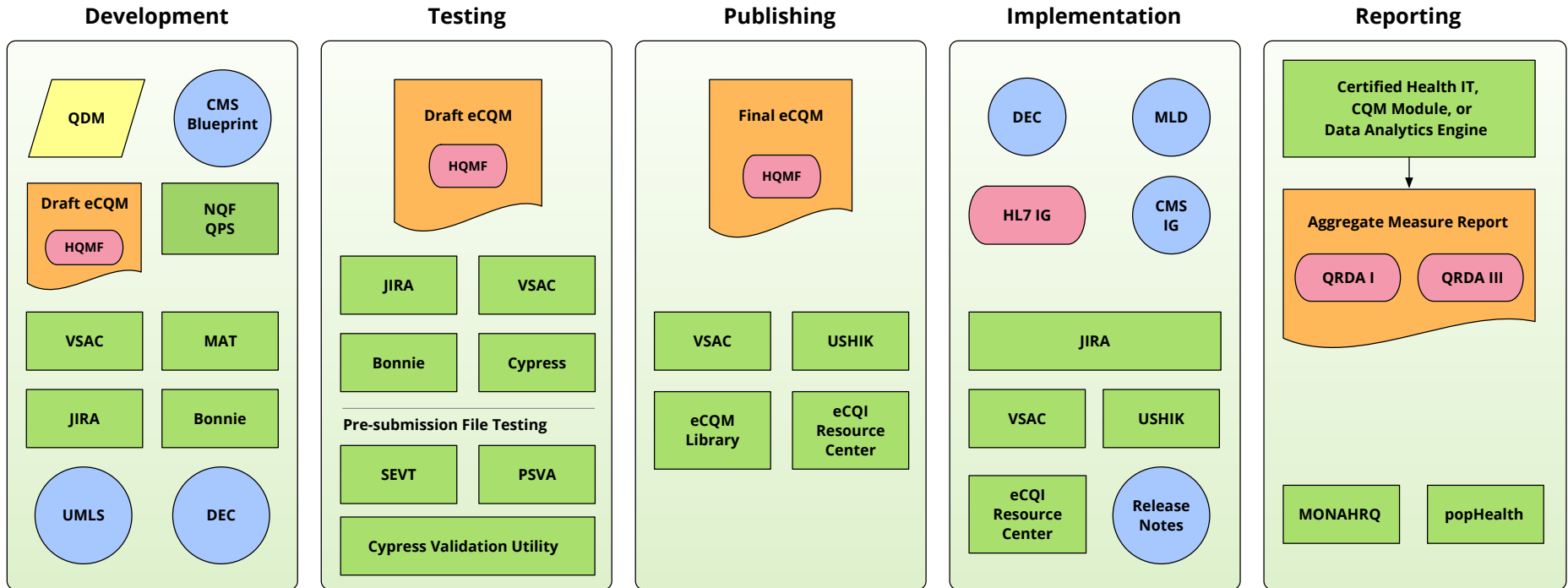
eCQM Tools & Resources

Version 1.0
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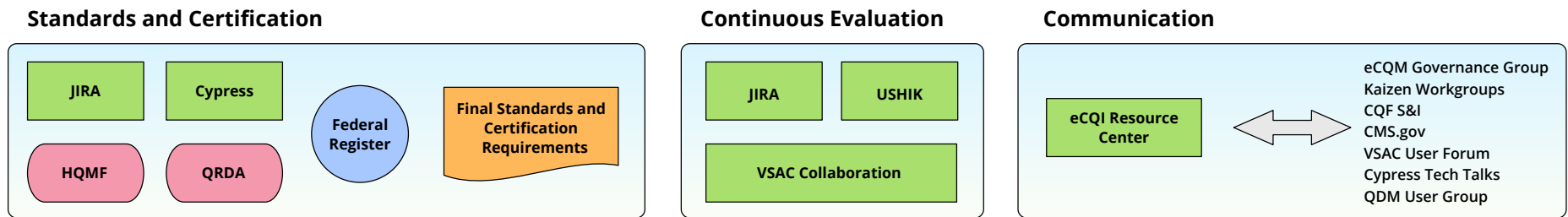


Acronyms

CDS Clinical Decision Support	HL7 Health Level Seven International	PSVA Pre-Submission Validation Application
CMS Centers for Medicare & Medicaid Services	HQMF Health Quality Measure Format	QDM Quality Data Model
CQF Clinical Quality Framework	IG Implementation Guides	QPS Quality Positioning System
CQM Clinical Quality Measure	JIRA Issue and Project Tracking Software	QRDA Quality Reporting Document Architecture
DEC Data Element Catalog	MAT Measure Authoring Tool	SEVT Submission Engine Validation Tool
eCQI Electronic Clinical Quality Improvement	MLD Measure Logic Document	S&I Standards & Interoperability
eCQM Electronic Clinical Quality Measure	NQF National Quality Forum	UMLS Unified Medical Language System
	ONC Office of the National Coordinator for Health Information Technology	USHIK United States Health Information Knowledgebase
		VSAC Value Set Authority Center and Collaboration Tool



Foundational Components



eCQM Ecosystem Interactive Graphic – Text Description

This graphic depicts the current electronic clinical quality measure (eCQM) tools and resources openly available for stakeholder use. Shown is the structure and organizational components that represent the tools and resources that are available to aid stakeholders in the development, testing, publishing, implementation, reporting, communication, and continuous evaluation of eCQMs.

In the header, on the left-hand side of the graphic, under the title, is a key to the colored and shaped components shown in the graphic. A Tool is represented by a green box, Output is represented by an orange rectangle with a curved lower edge, a Model is represented by a pale yellow parallelogram, a Standard is represented by a pink oval, and a Resource is represented by a blue circle.

In the right-hand side of the page header is an acronym list that defines all the acronyms placed in the colored and shaped components shown in the graphic. The acronym list is as follows:

CDS = Clinical Decision Support CMS Centers for Medicare & Medicaid Services, CQF = Clinical Quality Framework, CQM = Clinical Quality Measure, DEC = Data Element Catalog, eCQI = Electronic Clinical Quality Improvement, eCQM = Electronic Clinical Quality Measure, HL7 = Health Level Seven International, HQMF = Health Quality Measure Format, IG = Implementation Guides, JIRA = Issue and Project Tracking Software, MAT = Measure Authoring Tool, MLD = Measure Logic Document, NQF = National Quality Forum, ONC = Office of the National Coordinator for Health Information Technology, PSVA = Pre-Submission Validation Application, QDM = Quality Data Model, QPS = Quality Positioning System, QRDA = Quality Reporting Document Architecture, SEVT = Submission Engine Validation Tool, S&I = Standards & Interoperability, UMLS = Unified Medical Language System, USHIK = United States Health Information Knowledgebase, VSAC = Value Set Authority Center and Collaboration Tool

Under the header of the graphic, across the middle of the graphic, are five boxes that each represent a different process associated with eCQMs.

The top, leftmost box in the graphic shows the components of the Development Process. There is one model: QDM. There are three resources: CMS Blueprint, UMLS, and DEC. There is a single output: the Draft eCQM, which contains within it the one standard: HQMF. Development is aided by five tools: VSAC, MAT, JIRA, Bonnie, and the combined NQF/QPS.

To the right of the Development box is the box for Testing components. This box is subdivided into 2 categories of testing: Measure Testing at the top of the box and Pre-submission File Testing at the bottom of the box. Measure Testing contains a single output: the Draft eCQM, which contains within it the one standard: HQMF. The Measure Testing is aided by four tools: VSAC, JIRA, Bonnie, and Cypress. The Pre-submission File Testing is aided by comprised of three tools: SEVT, PSVA, and Cypress Validation Utility.

To the right of the Testing box is the box for Publishing components. Publishing contains the single output: the Final eCQM, which contains within it the one standard: HQMF. Publishing is aided by four tools: VSAC, USHIK, eCQM Library, and the eCQI Resource Center.

To the right of the Publishing box is the box for Implementation components. Publishing contains a single standard: the HL7 IG. Implementation contains three initial sources located at the top of the box: DEC, MLD, and CMS IG. Implementation then involves another Resource: Release Notes, located at the bottom, right of the box. Implementation is aided by four tools: VSAC, USHIK, JIRA, and the eCQI Resource Center.

To the right of the Implementation box, on the far, right-hand side of the graphic, is the box for Reporting. Reporting contains a single tool located at the top of the box: Certified Health IT, CQM Module, or Data Analytics Engine. This tool has an arrow pointing from it to the single output in Reporting: the Aggregate Measure Report, which contains within it two standards: QRDA I and QRDA II. Implementation is aided by two additional tools: MONAHRQ and popHealth.

At the bottom of the graphic is a section labeled Foundation Components that has three boxes under it that span the graphic from left to right and represent three additional processes.

The box on the far left shows the Standards and Certification components. Standards and Certification contains two tools: JIRA and CYPRESS. Standards and Certification contains two standards: HQMF and QRDA. There is one resource contained in the Standards and Certification box: Federal Register. Standards and Certification contains a single output: Final Standards and Certification Requirements.

To the right of the Standards and Certification box is the box for Continuous Evaluation components. Continuous Evaluation contains three tools: JIRA, USHIK, and VSAC Collaboration.

To the right of the Continuous Evaluation box is the box for Communication component. On the left-hand side of the box is a single tool: eCQI Resource Center. To the right of this tool is a double arrow pointing left to right from the eCQI Resource Center to a list of stakeholders: eCQM Governance Group, Kaisen Workgroups, CQF S&I, CMS.gov, VSAD User Forum, Cypress Tech Talks, and QDM User Group.