

2/28/2019 - Cooking with CQL: or How to Incorporate CQL into HQMF for eCQMs Qs&As

Measure Representation

Queries in CQL

Q. Is 'from' required when setting up a relationship between more than two sources and 'with' when setting up a relationship with only two sources?

A. Yes, that's correct, 'from' is used to set up a "multi-source" query where you want to be able to talk about more than two sources at once. If you have a "single-source" query, you can use 'with' and 'without' to establish relationships between the primary source of the query and one other source at a time.

Functions in CQL

Q. How is hospital arrival time defined?

A. The definition is included in the MAT Global Common Functions, it's the start of the first location period for the locations in the encounter, or the immediately prior emergency department encounter if one exists.

Q. There is significant logic involved with looking at dosages and number of doses per day. Is that part of the global library yet?

A. Not yet. The global library is based on what measure developers identify as being used in enough measures to warrant including in the library.

eCQM Specifications and CQL

Q. For the follow-up HIV visit logic, explain why the not equivalent comparison is not needed and when it could be needed.

A. It is needed when using the 'on' and 'after'. When using only 'after' it would not be needed.

Q. Can the age-based risk factors example be plugged into the Measure Authoring Tool or tested with Bonnie? The way CQL is structured, the 'defines' are listed programmatically.

A. Yes, the way that 'defines' are listed in CQL allows them to be forward referenced anywhere in the library.

Q. Is flattening part of CQL?

A. Yes. The 'flatten' operator takes a 'list of lists' and returns a single list with all the elements of the lists in the input.

Using QDM

Q. Is the type of coverage, e.g., commercial, Medicare, Medicaid considered in the QDM participation logic?

A. The participation logic determines coverage in a QDM measure using the QDM participation type. The logic starts with whether the patient is enrolled and it is particular to each product line, commercial, Medicare or Medicaid. However, in calculating the participation period and the enrollment periods, coverage type is usually ignored.

All CQL Q&As Resource Center Classifications

- [Getting Started](#)
- [General Clinical Quality Language](#)
 - [Why CQL?](#)
 - [What is CQL?](#)
 - [Implementation of CQL?](#)
- [Quality Data Model](#)
- [Measure Representation](#)
 - [Date and Time Calculations](#)
 - [Expression Logical Model \(ELM\)](#)
 - [Functions in CQL](#)
 - [Occurrences in CQL](#)
 - [eCQM Specifications and CQL](#)
 - [Unions in CQL](#)
 - [Value Sets and CQL](#)
 - [Queries in CQL](#)
 - [Using Coalesce](#)
 - [Using QDM](#)
- [Roadmap](#)
- [Terminology](#)
- [Tooling and Implementation](#)
 - [Tooling](#)
 - [Measure Authoring Tool \(MAT\)](#)
- [CQL and FHIR](#)