9/21/2017 - Cooking with CQL: or How to Incorporate CQL into HQMF for eCQMs Qs&As – SESSION 18

Measure Representation

Q. In the Encounter Diagnoses example below, can "or" be changed to "and" and still provide the two diagnoses?

define "Single Live Birth Encounter or Gestational Diabetes":
   "Inpatient-Encounter" Encounter
       where exists (Encounter.diagnoses Diagnosis
         where Diagnosis in "Single Live Birth"
           or Diagnosis in Gestational Diabetes"
)

A. No because it indicates you want any diagnosis in the inpatient encounter that has a diagnosis code of "Single Live Birth" and "Gestational Diabetes". The single code cannot satisfy both those requirements at the same time.

Q. What unit is returned in this example?

Define function "Arrival and Departure Time" (Encounter "Encounter, Performed"):
   Interval
  [
     First(Encounter.facilityLocations Location
        Return start of Location.locationPeriod sort ascending),
    Last(Encounter.facilityLocations location
        Return end of Location.locationPeriod sort ascending)
  ]

A. The interval would return a full Datetime, e.g., the first return would be locationPeriod: 10:30..11:21

Q. Referring to the example that uses the code of each component within a Diagnostic Study to identify different results, would this mean an additional setup/implementation will be required for healthcare systems to "map" to these additional codes around a newly created component1 or component 2?

A. If there is a need to distinguish different results that have the same types of values, then yes, there would need to be some way to map that content from the source system. However, for cases that do not need to distinguish different results (e.g., because the result values are precoordinated, so no two components could have the same result value), then the code layer can be ignored. It depends on the use case. The structure and logic support both approaches.