

Jan 26, 2017 Cooking with CQL Q&As – SESSION 10

Questions Under Measure Representation

Q: To estimate due date, do you take the return of a record, within physical exam performed estimated due date codes that would have access to all the actual fields and cast it to datetime?

A: Yes. You can find further information about this example on the CQL Formatting and Usage Wiki - Cooking with CQL examples

Link: <https://github.com/esacinc/CQL-Formatting-and-Usage-Wiki/tree/master/Source/Cooking%20With%20CQL/10>

Q: How are time durations calculated in CQL?

A: Yes, time durations in CQL are always in terms of a single duration. If it was necessary to say 32 weeks and 1 day, you would define it in days (or use addition to add 32 weeks + 1 day).

Link: <https://ecqi.healthit.gov/system/files/eCQM-Logic-and-Guidance-2018-0504.pdf>

Q: When define “gestational age at birth”: 280 – (days between “Estimated Due Date” and “Time of Delivery”) div 7 is entered into the MAT, is it entered as a function or a definition?

A: In this expression, it is entered as a definition, but you could also define a gestational age at birth function. define "Estimated Due Date": Last(["Physical Exam, Performed": Vx."Estimated Due Date"] Exam sort by start of relevantPeriod).result as DateTime
define "Gestational Age in Days at Birth": (280 - (duration in days between "Estimated Due Date" and "Birth Date")) div 7

Link: <https://github.com/esacinc/CQL-Formatting-and-Usage-Wiki/tree/master/Source/Cooking%20With%20CQL/10>

Q: When using “with” in the “such that” expression, do you have to put it before all the such that’s or is there a significance to the order?

A: Each “with” needs a “such that” to describe the relationship of the “with” source to the “primary” source.

<https://github.com/esacinc/CQL-Formatting-and-Usage-Wiki/tree/master/Source/Cooking%20With%20CQL/10>