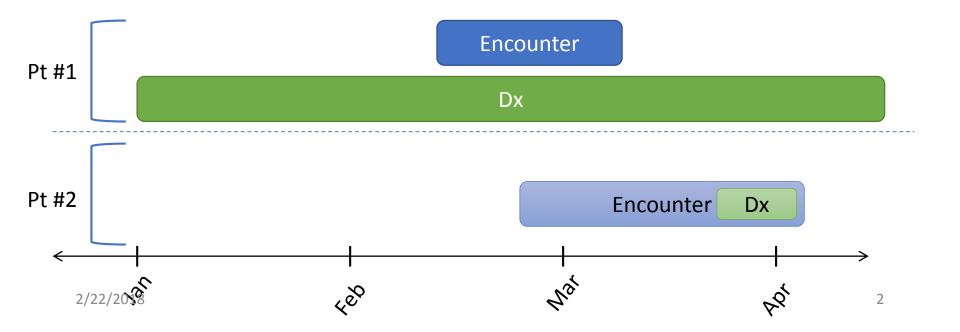
Session 22: Examples

- Encounter Diagnoses Redux
- ED/Inpatient Encounters Redux
- Immunization Status MAT Entry

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Encounter Diagnoses

- Two possibilities for identifying Diagnoses
 - Patient 1: Has an overlapping Diagnosis element
 - Patient 2: Has the diagnosis as an attribute on the encounter



Diagnosis Data Element

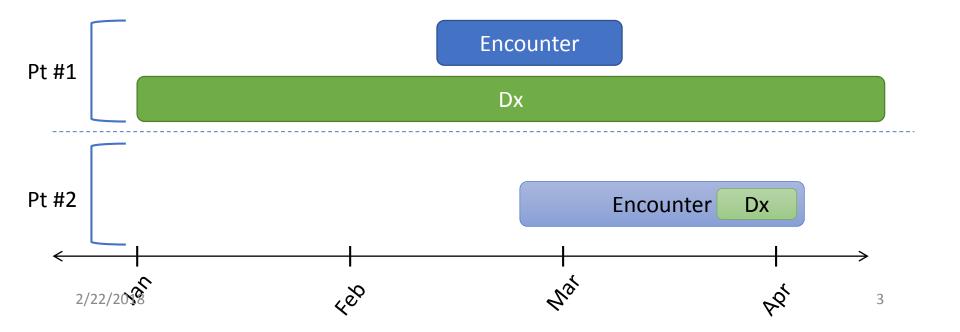
```
define "Multiple Gestation Diagnosis":

"Delivery Encounters Ages 8 Years to less than 65" DeliveryEncounters

with ["Diagnosis": "Multiple Gestation"] MultGest

such that MultGest.prevalencePeriod starts 42 weeks or less before or on end DeliveryEncounters.relevantPeriod
```

This approach captures Patient #1, but not Patient #2



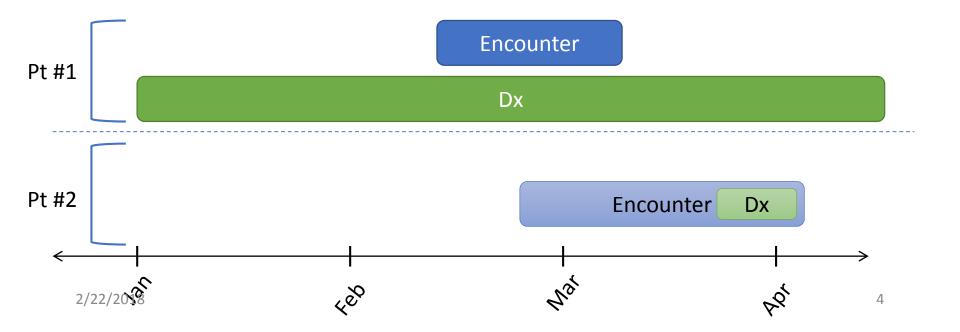
Diagnoses attribute

```
define "Multiple Gestation Encounters":

"Delivery Encounters Ages 8 Years to less than 65" DeliveryEncounters

where exists ( DeliveryEncounters.diagnoses MultGest where MultGest in "Multiple Gestation" )
```

This approach captures Patient #2, but not Patient #1



Diagnosis Element or Attribute

```
define "Encounters with Multiple Gestation Diagnoses":

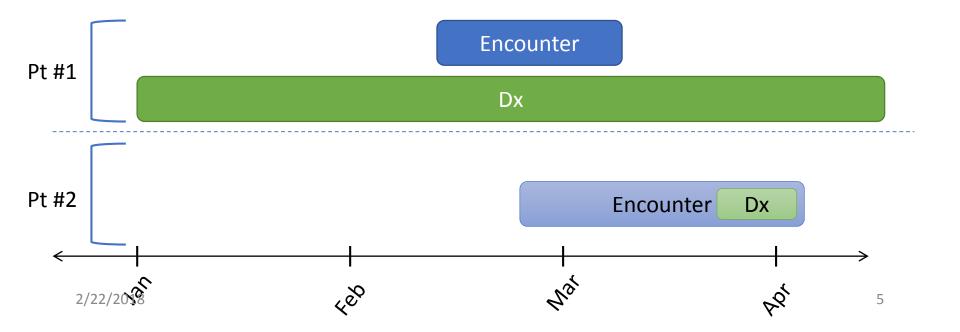
"Delivery Encounters Ages 8 Years to less than 65" DeliveryEncounter

where exists ( ["Diagnosis": "Multiple Gestation"] MultipleGestationDiagnosis

where MultipleGestationDiagnosis.prevalencePeriod starts 42 weeks or less before or on end of DeliveryEncounters.relevantPeriod

or exists ( DeliveryEncounter.diagnoses EncounterDiagnosis where EncounterDiagnosis in "Multiple Gestation" )
```

Could "union" both definitions, or we could write a single definition like this that combines the criteria in the where clause



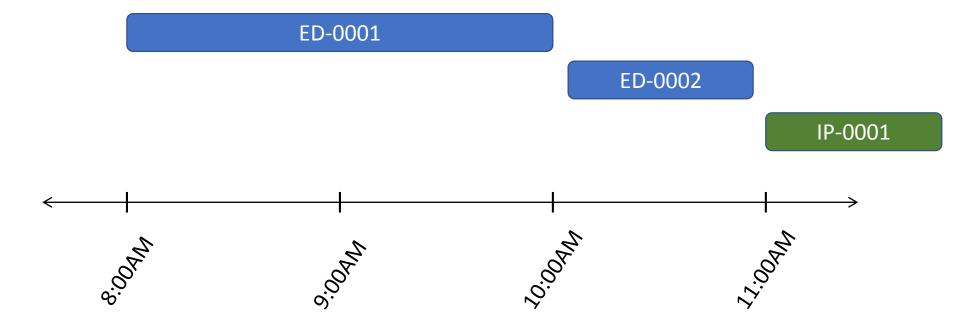
ED/Inpatient Encounters

- How do we identify the ED Encounter associated with an inpatient encounter?
 - Current approach is typically the ED Visit that ends one hour or less on or before the start of the inpatient encounter
- Assumes there is only one, what do we do if there are multiple?
 - Different measures are currently using different approaches

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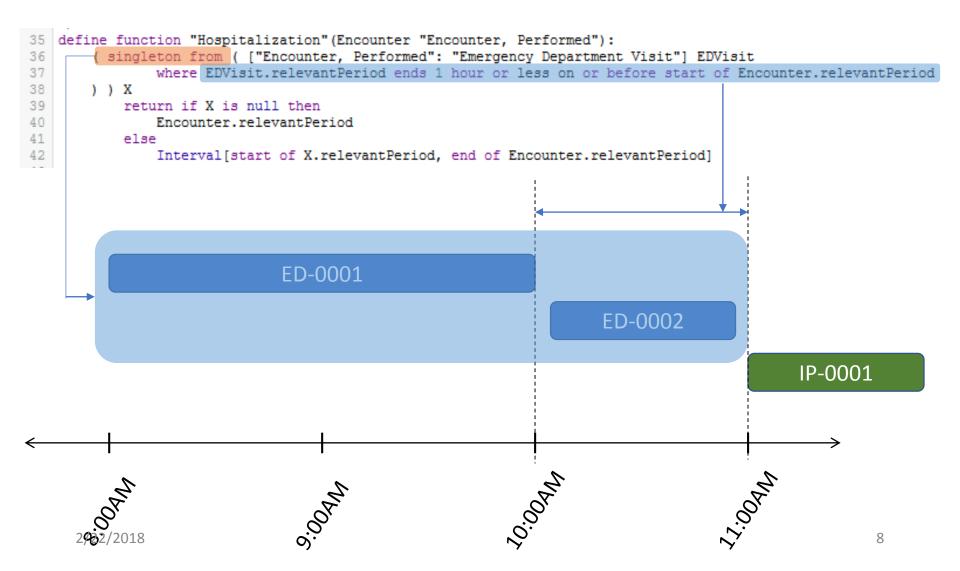
Running Example

ED-0001 – ED Visit, 8:00AM-10:00AM ED-0002 – ED Visit, 10:15AM-10:56AM IP-0001 – Inpatient, 11:00AM...

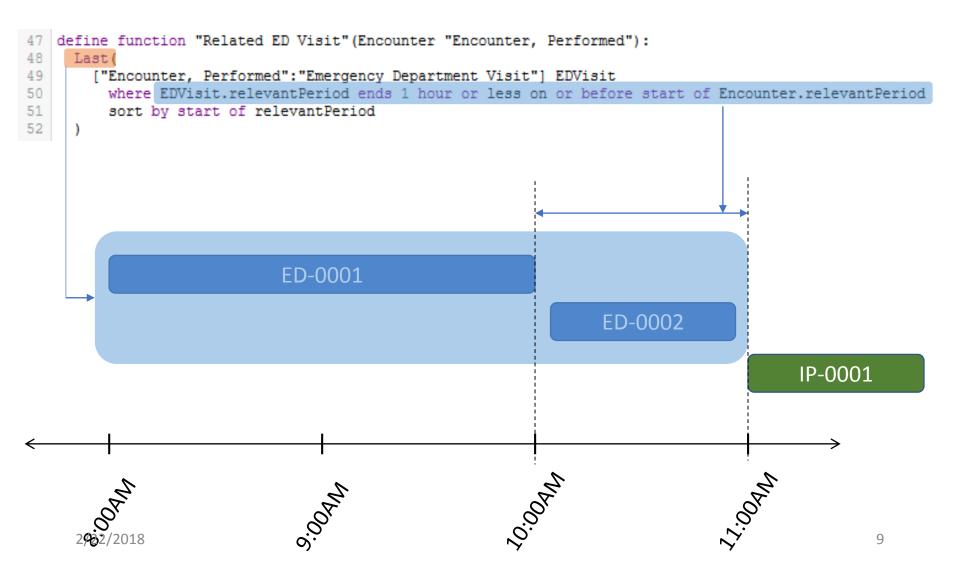


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Hospitalization Function



Related ED Visit (uses Last)



Standard Pattern (uses with)

