Application of ECE guidance retrospectively: maintenance of existing descriptions that may be ambiguous

BGO gave a presentation. Screen shots below:

Slide 1:

Statement of problem

New editorial guidance for combined disorders specifies FSNs for the various modeling patterns
A recent effort was created to specifically address the pattern in which the causative agent role is included (SNOMED CT Fast Fresh version of existing content for causally linked pattern).
For concepts which contain associated with, due to and after, the modeling as well as the FSNs may be incorrect particularly related to inconsistencies in assignment of associated with vs. due to.
There is thus a need to review the modeling of all combined disorder concepts and to ensure that the descriptions (and modeling) are consistent with current guidelines.

Slide 2:

Caused by

A large number (16,5038) concepts use this role
A variety of naming patterns are observed
- A miracle
- X caused by Y
- X due to Y
- X with Y
Due to large number of concepts involved, major naming patterns which consist of 3,094 terms will be addressed initially by removing the FSN and additional descriptions as X caused by Y

Slide 3:

Due to

2,548 concepts containing due to role
- 9 concepts contain "co-occurant" in FSN indicating editorial guidance followed

Naming patterns observed
- X due to Y
- X associated with Y
- X secondary to Y
- X with Y
- X in Y
- X caused by Y
- X following Y
- X by Y
- XY

Slide 4:

Combined disorders modeled using associated with

89 concepts modeled as X disorder associated with Y disorder
42/88 records (47%) contain associated with in the FSN
Additional naming patterns include:
- X secondary to Y
- X in Y
- X with Y
- XY

Slide 6:

Combined disorders modeled using associated with

Proposed remediation of combined disorders modeled using associated with

Model needs to be examined for each record to determine causality
- If model consistent with causation
  - Determine if it is co-occurant with Y and if so, add additional parent
  - Remove concept with pattern of X due to Y or X co-occurant and due to Y
- If model not consistent with causation
  - Determine if it comes after Y and if so, model using after role and name as X following Y
  - If X co-occurant with Y but causally uncertain, model and name as X co-occurant with Y by removing the associated with attribute value pair and adding 29 parent

Slide 7:

Combined disorder+procedure concepts (procedure complications) modeled using associated with

330 concepts modeled as X disorder associated with Y procedure
14/330 records (4.2%) contain associated with in the FSN
Additional naming patterns include:
- X reaction to Y procedure
- X disorder during Y procedure
- X disorder resulting from procedure Y
- X disorder after procedure Y
- X disorder as complication of procedure
- Complication of X device
- Consequence of Y procedure
- Y disorder complicating procedure
- Disorder of X device
- X disorder due to Y device

Slide 9
A discussion about the presentation followed. JCA explained that it was a presentation about what was happening with regards to the ECE, and before the ideas are put into formal editorial guidance, he wanted to make sure there were no issues with the way they were moving.