

**MEDINFO Panel: Do we need a
Common Ontology between ICD
11 and SNOMED CT to ensure
seamless re-use and semantic
interoperability?**

Organization of the panel

- Introduction: Jean Marie Rodrigues: common ontology between the Foundation Component (FC) of ICD 11 and SNOMED CT (7 min)
- Internal panelists:
 - Kent Spackman IHTSDO (7 min)
 - Chris Chute WHO (7 min)
- External panelists
 - Dipak Kalra EHR (7 min)
 - William Hogan Ontology (7 min)
- Panel Discussion (15 min)
- Questions from audience (15 min)
- Concluding remarks: Alan Rector (7 min)

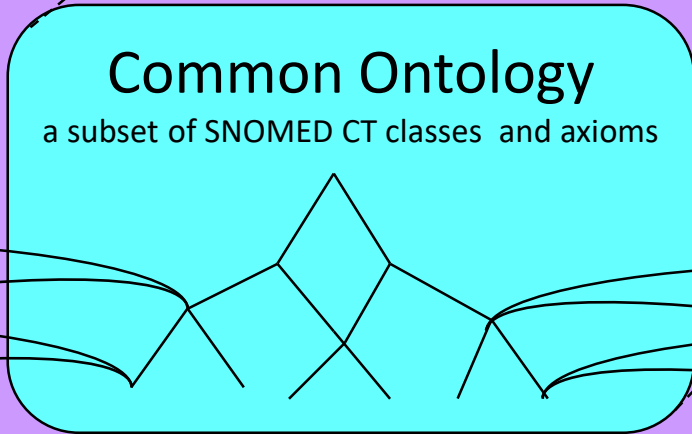
ICD 11 Revision Architecture

SNOMED CT

Common Ontology (definitions)

Foundation Component

shares ontological core with SNOMED CT and contains additional non-ontological knowledge (signs, symptoms, causes, linkage entities, exclusion statement)



Mortality

Morbidity

Primary Care

...

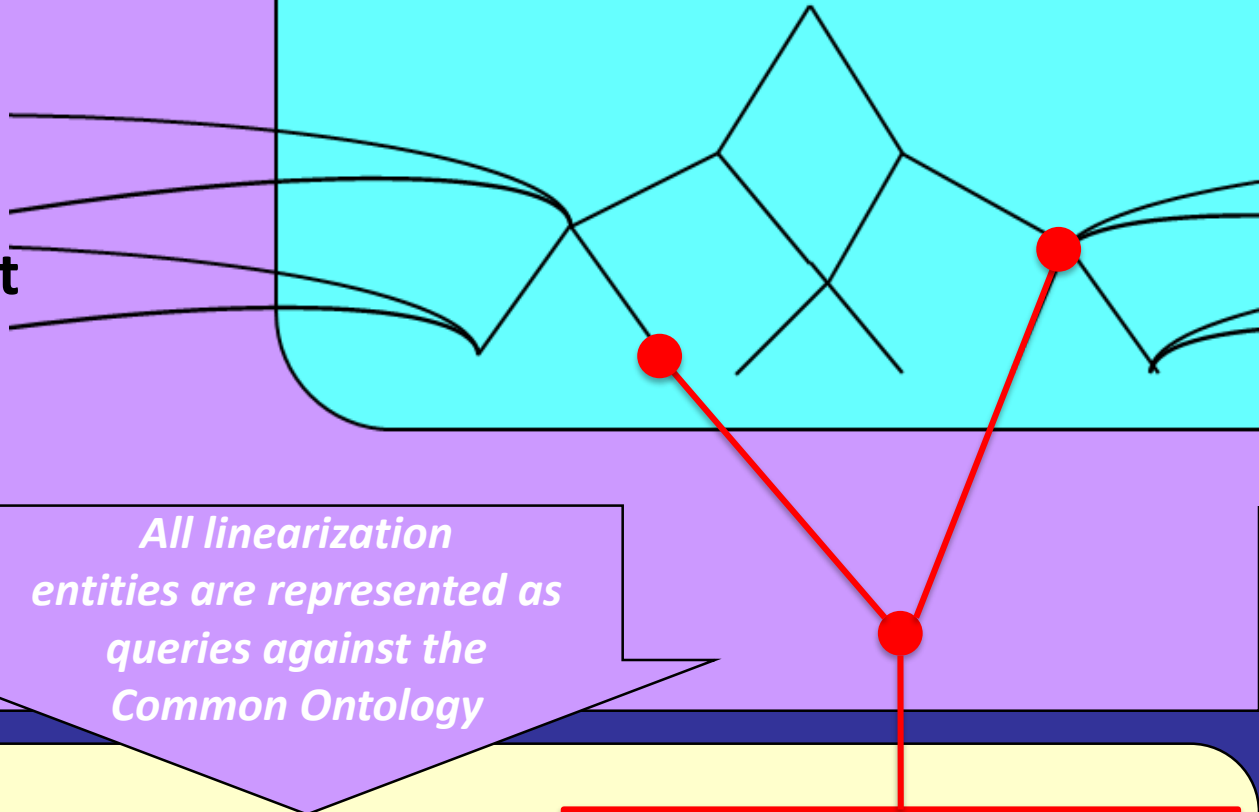
Linearizations, derived from Foundation component

ICD 11 Revision Linkage Queries:

Links between
Foundation Component
and Linearizations

Common Ontology

a subset of SNOMED CT



*All linearization
entities are represented as
queries against the
Common Ontology*

Morbidity Linearization

Example:
“Hypertension
excluding Pregnancy”

```
SELECT ?CN WHERE  
(?CN SubClassOf Hypertension)  
MINUS  
(?CN SubClassOf  
Disorders of Pregnancy)
```

Nodes:

 In ICD / SNOMED common ontology (CO)


 IN SNOMED, not in CO

 Residuals, only in linearizations

 ICD Headings

Links:

 is-a

 aggregation

