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

Foundation Component

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

Common Ontology

a subset of SNOMED CT classes and axioms

Linearizations, derived from Foundation component

Mortality  Morbidity  Primary Care  ...

SNOMED CT

Common Ontology
(definitions)
ICD 11 Revision
Linkage Queries:

Links between
Foundation Component
and Linearizations

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