

# **Terms of Reference for WHO Topic Advisory Group on HEALTH INFORMATICS AND MODELLING (TAG HIM) for the ICD Revision**

## **Purpose of TAG-HIM**

The revision plan for ICD-11 incorporates intricate linkages between the classification scheme and terminologies. ICD-11 will have explicit operational linkages to underpinning ontologies built-in during the revision process which will result in both human-readable and machine-readable definitions. Depending on the purpose of the use of the classification, the semantic network around the ICD-11 concepts may allow different extractions for the classification (i.e. mortality, morbidity, case-mix grouping, primary care use etc).

## **Method of Work of TAG HIM**

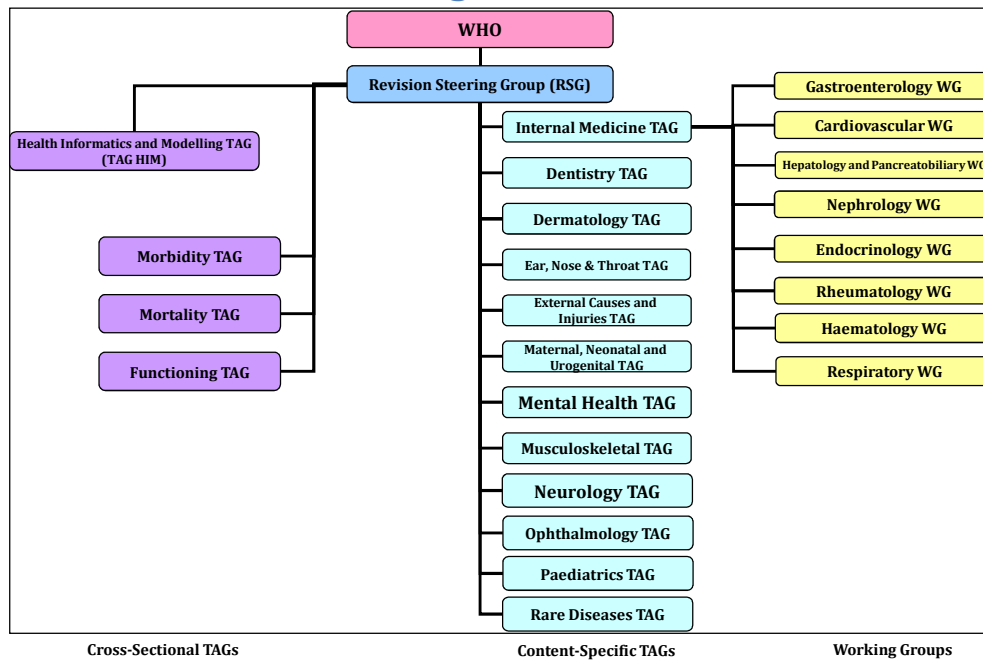
To enable this objective of creating an ICD-11 with multiple semantic linkages to ontologies, a specific Topic Advisory Group is constituted to advise WHO and the Revision Steering Group on the following issues:

1. To identify a cogent "information model" ( a.k.a. context model) to express the several dimensions that relate to ICD-11 classes ( such as the classification entity as a disease, disorder, injury, sign, symptom etc; Site; Manifestations; Cause; Temporal Relations; Extent/severity; Impact/disability; use and other possible attributes) and evaluate existing disease models for their suitability to ICD-11
2. To identify the logical operators that relate to knowledge representation in ICD such as the description logic to define, to diagnose, and to group diseases and other ICD categories
3. To evaluate and link the experiences of other taxonomy, terminology and ontology projects to contribute to the ICD-11 development (e.g., [NCBO](#))
4. To design the specifications and requirements of a tooling environment that accommodates the use case needs for the revision process: A web based tool that allows editing the semantic structure of the classification through controlled distributed development by multiple groups. Design and production will start from the current ICD structure and enable use of available tools such as Collaborative Protégé, OWL and Lexgrid structures.

## **Composition and Membership**

This group will complement the work of existing Topic Advisory Groups. Within the context of the overall ICD Revision, the **TAG HIM** is regarded as a cross-sectional TAG as depicted in the following organigram and is constituted to advise WHO and the Revision Steering Group.

## ICD Revision Organizational Structure



Membership should reflect geographical distribution, represent a variety of settings and have relevant expertise and experience.

The group will be chaired by two co-chairs, which are appointed by WHO.

The life span of the group is limited to the ICD-11 development process at present 2015.

The group shall draw up a workplan which lists in detail aims, activities, deliverables, timelines and responsibilities in concordance with the overall ICD Revision Plan.

Working methods should include e-mail, conference calls, virtual meetings and face-to-face meetings.