The 11th Revision of the International Classification of Diseases (ICD-11)

status report and new technical options

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WHO-FIC: WHO Family of Classifications

- **ICD**: International Classification of Diseases
- **ICF**: International Classification of Functioning, Disability and Health
- **ICHI**: International Classification of Health Interventions

[Links to WHO classifications]
Status of ICD-11-Betaversion

✓ Member States Comments received in June 2017
✓ Field Trials results received in September 2017
✓ Mapping ICD-10 / ICD-11 almost complete

➢ End of revision process expected in summer 2018
➢ Start of (preparation of) implementation phase
New technical basis = new possibilities?

- ICD-11 was developed in and for an electronic environment
- Translation platform provided by WHO
- ICD-11 will be available in multiple languages in electronic format once countries have engaged in the translation process
URIs (Uniform resource identifiers)

• URIs are identifiers
  – They are unique worldwide
• They look like web site URLs
  – http://id.who.int/icd/entity/127637236
• They are used as:
  – identifiers for ICD-11 entities
  – endpoint of the web services (API)
New technical basis = new possibilities?

- Each concept in ICD-11 is identifiable through a URI
- URIs will be stable over time and will include language information
- ICD-11 will come with possibility to “translate” ICD-11 concepts automatically through use of URIs
ICD-11 Code: 2A00.0Y
URL: http://id.who.int/icd/entity/884889079
Anaplastic astrocytoma of brain

Parent(s)
- Giomas of brain

Description
A diffusely infiltrating, WHO grade III astrocytoma with focal or dispersed anaplasia, and a marked proliferative potential. It may arise from a low-grade astrocytoma, but it can also be diagnosed at first biopsy, without indication of a less malignant precursor lesion. It has an intrinsic tendency for malignant progression to glioblastoma. (WHO)
ICD API

- ICD API (web services) allow other software to access the ICD content
- Software developers will have frictionless access to WHO classifications.
  - Easy to embed and update ICD in external applications.
- With the help of URIs, we will have unambiguous references to WHO classification entities.
ICD API allows programmatic access to the International Classification of Diseases (ICD). You may use this site to access up to date documentation on using the API as well as managing the keys needed for using the API.

**Register for using the API**

- Register to get access to the APIs *(if you haven't registered already)*
- View API access key(s) *(requires logging in)*

**How to Use the APIs**

- ICD REST API Documentation
- ICD API Authentication

https://icdaccessmanagement.who.int/
The URIs have been designed for the ICD Foundation Component as well as ICD-11 Linearizations and ICD-10. Currently the services have been deployed for the following content:

- ICD Foundation Component
- ICD-11 Linearizations
- ICD-10 2010
- ICD-10 2008 (Both in English and French)

[Taken from ICD REST API Documentation]
For discussion

How to include a WHO-classification in the MVC in the future, once URIs are WHO-Standard:

– Include the relevant URIs instead of codes?
– Preferred term really necessary any more?
– Use of API-access for eHDSI applications?
– …