ICD-11: Why, What, When, How?

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Dates when Revisions were in use in the US

Revision No.	Year of conference when adopted	Years in use in the US
First	1900	1900-1909
Second	1909	1910-1920
Third	1920	1921-1929
Fourth	1929	1930-1938
Fifth	1938	1939-1948
Sixth	1948	1949-1957
Seventh	1955	1958-1967
Eighth, adapted	1965	1968-1978
Ninth	1975	1979-1998
Tenth	1989	1999-

ICD-11 Schedule

April 2007   Revision launch

Sept 2009   Beginning of Alpha process

Sept 2010   Release of 1st version of Alpha draft

May 2011   Beta process begins

May 2014   Submission to World Health Assembly

Differences between ICD-10 and ICD-11

Production style

Annual Revision Conferences ➜ Collaborative Authoring

Category information

Addition of structured descriptions and textual definitions

Linkages to terminologies and ontologies

E.g., SNOMED-CT, Gene Ontology

Deliverables

Addition of digital products

THE CONTENT MODEL
Any Category in ICD is represented by:
TITLE of ENTITY: Name of disease, disorder, or syndrome…

1. ICD Concept Title

   1.1. Fully Specified Name

2. Classification Properties

   2.1. Parents

   2.2 Type

   2.3. Use and Linearization(s)

3. Textual Definition(s)

4. Terms

   4.1. Base Index Terms

   4.2. Inclusion Terms

   4.3. Exclusions

5. Body Structure Description

   5.1. Body System(s)

   5.2. Body Part(s) [Anatomical Site(s)]

   5.3. Morphological Properties

6. Manifestation Properties

   6.1. Signs & Symptoms

   6.2. Investigation findings

7. Causal Properties

   7.1. Etiology Type

   7.2. Causal Properties - Agents

   7.3. Causal Properties - Causal Mechanisms

   7.4. Genomic Linkages

   7.5. Risk Factors

8. Temporal Properties

   8.1. Age of Occurrence & Occurrence Frequency

   8.2. Development Course/Stage

9. Severity of Subtypes Properties

10. Functioning Properties

   10.1. Impact on Activities and Participation

   10.2. Contextual factors

   10.3. Body functions
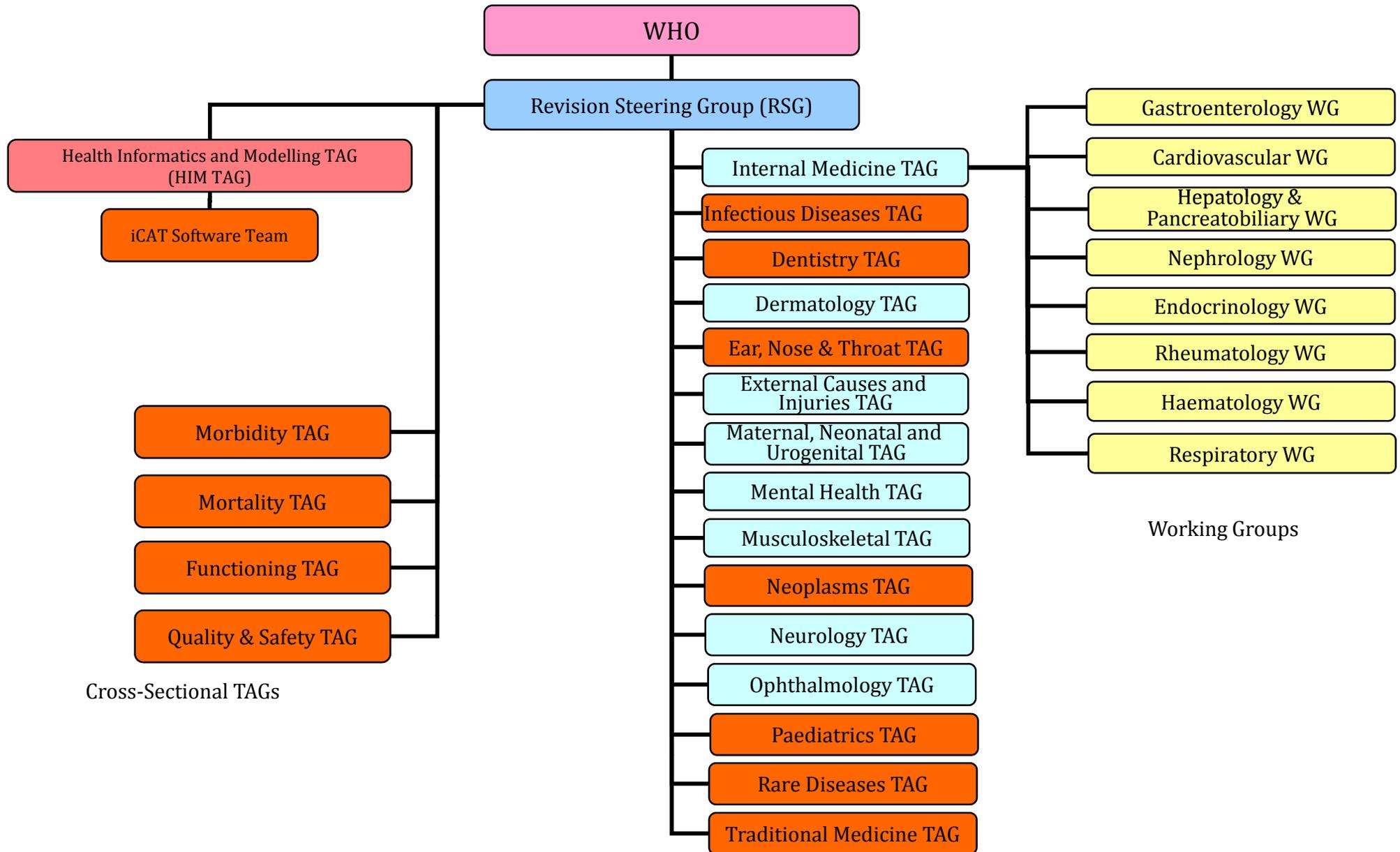
11. Specific Condition Properties

   11.1 Biological Sex

   11.2. Life-Cycle Properties

12. Treatment Properties

13. Diagnostic Criteria

ICD Revision Organizational Structure

WHO

Revision Steering Group (RSG)

Health Informatics and Modelling TAG (HIM TAG)

iCAT Software Team

Internal Medicine TAG
- Gastroenterology WG
- Cardiovascular WG
- Hepatology & Pancreatobiliary WG
- Nephrology WG
- Endocrinology WG
- Rheumatology WG
- Haematology WG
- Respiratory WG

Working Groups

Infectious Diseases TAG

Dentistry TAG

Dermatology TAG

Ear, Nose & Throat TAG

External Causes and Injuries TAG

Maternal, Neonatal and Urogenital TAG

Mental Health TAG

Musculoskeletal TAG

Neoplasms TAG

Neurology TAG

Ophthalmology TAG

Paediatrics TAG

Rare Diseases TAG

Traditional Medicine TAG

Morbidity TAG

Mortality TAG

Functioning TAG

Quality & Safety TAG

Cross-Sectional TAGs

Horizontal TAGs

Mortality TAG
- **Mortality Coding Rules** → ICD11 integration
- **Verbal Autopsy** use case & Other use cases

Morbidity TAG
- **Morbidity Coding Rules**: Discharge summary; Casemix – DRG
- **Specialty adaptations-** extension principles
- **National Adaptations** Links

Functioning TAG
- Contribution to **Functional Properties**
- **Shared "Entities"** between ICD and ICF
  - Category Level: Blindness – Deafness – Mental Retardation etc.
  - Symptoms – Body Impairments
  - Contextual Factors – Chapter Z

Quality and Safety TAG
- Quality Indicators
- Safety Indicators
- **Shared "Entities"**
  - Injury chapter- "iatrogenic "
  - ICPS links

So…where are we now?

Beta draft will probably not be complete
enough to begin field trials (pilot tests) for
some time yet…certainly not May 2011

TAGs are behind schedule

Code structure still not determined

- 7 digits maximum

- Different from ICD-10

- Currently, the most likely candidates are:

  01BA1B.-

  BA1B.---

Implementation of ICD-11

Assume:

Presentation to WHA in 2014

Both tabular list and index are complete enough for implementation

When would we implement?

Estimate a minimum of 2 years for implementation…so, 2016 at the earliest

Implementation of ICD-11

What do we have to do?

- Retrain coders

- Reprogram automated coding system (MMDS)

- Reprogram edits

- Revise tabulation lists

- Comparability study

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