WHO Collaborating Centre for the Family of International Classifications in the Nordic Countries

Nordic Centre for Classifications in Health Care

ICD-11

Föredrag vid konferensen

Bättre beskrivning av vården för utveckling och förbättring!

- metoder, användning och analyser

Stockholm 6 – 7 september 2017

Lars Berg

Head of Centre / Föreståndare

Nordiskt WHO-FIC Collaborating Centre / Nordiska klassifikationscentret inom hälso- och sjukvården (Nordclass)

ICD (International Classification of Diseases) - historik

5 bilder med WHO-perspektiv

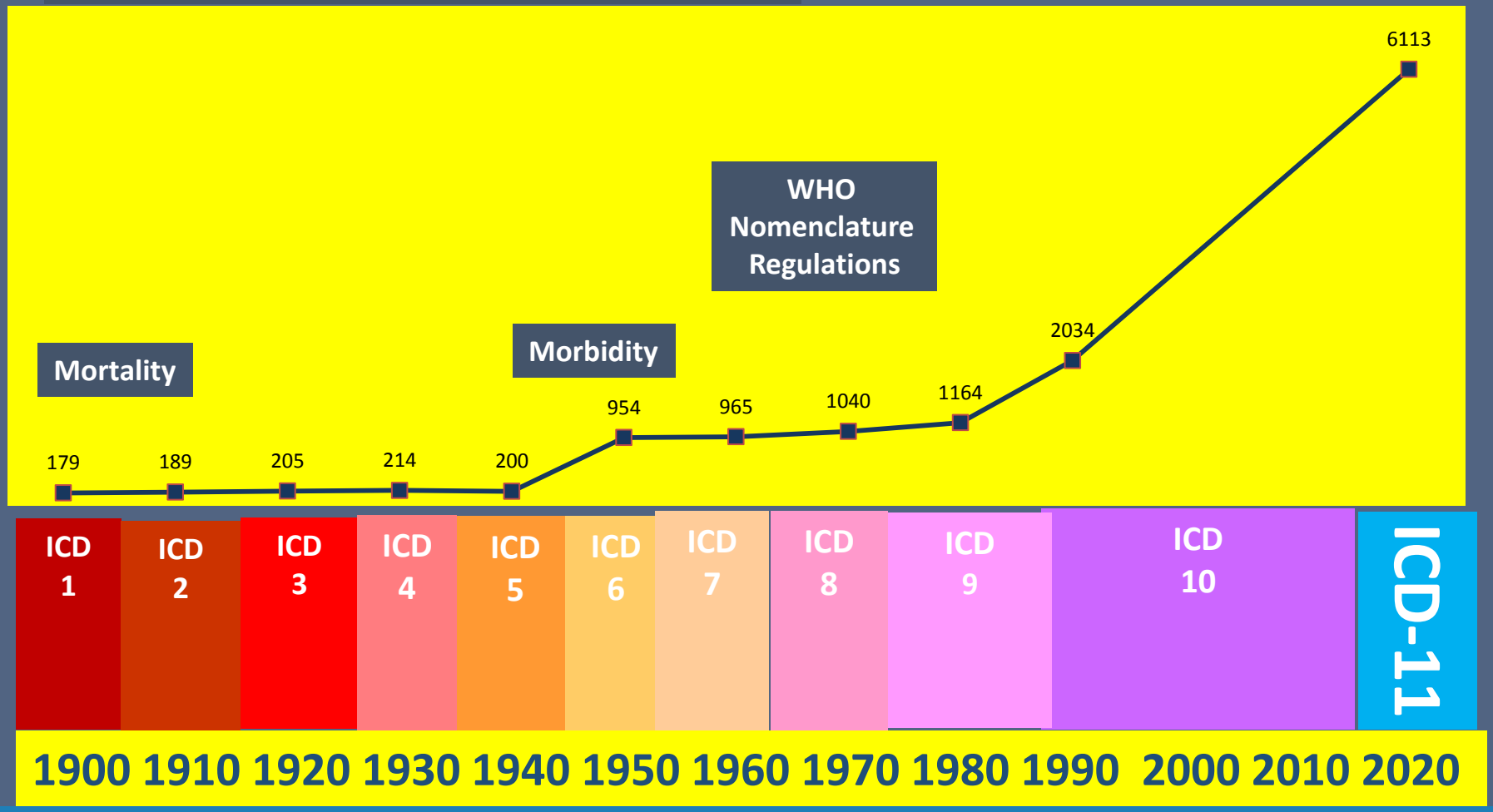
Global Overview

ICD Revision Conference
Tokyo, 12-14 October 2016

Dr Ties Boerma,
Director Department of Information, Evidence, Research,
World Health Organization, Geneva

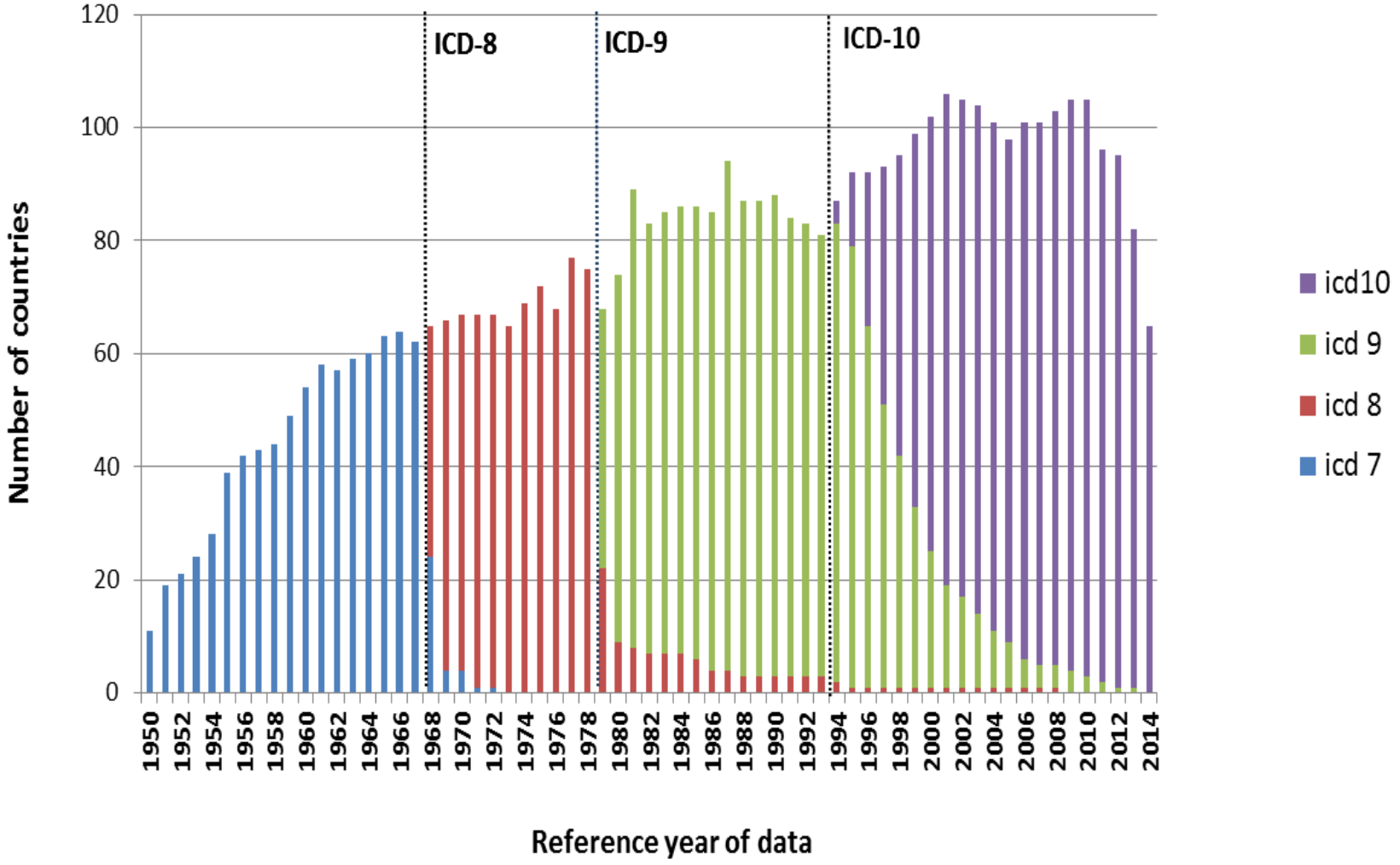
ICD revision history

Number of codes by ICD revision



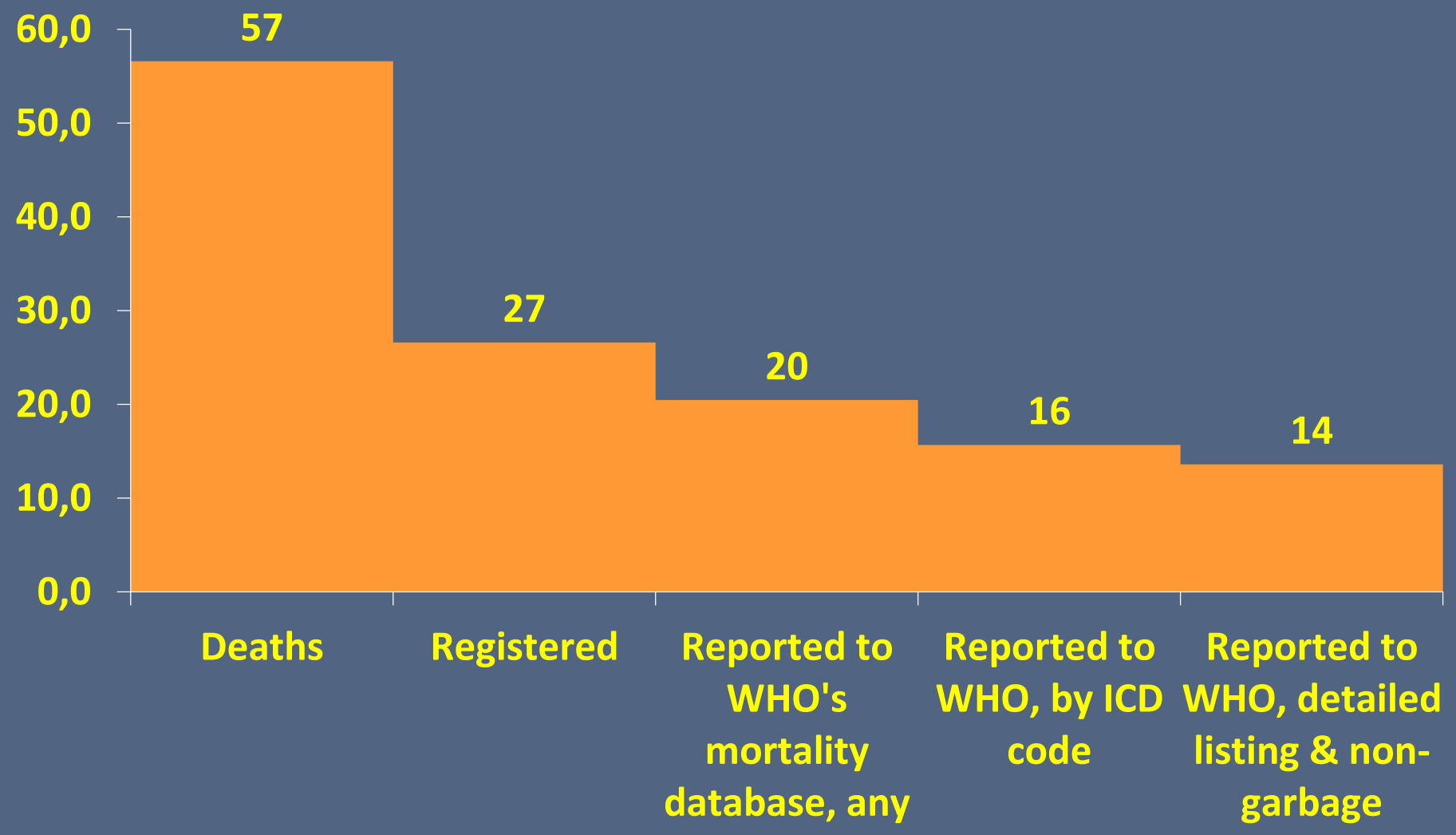
World Health Organization

Trends in cause-of-death reporting by ICD revision



World Health Organization

Global number of deaths by registration and reporting status to WHO

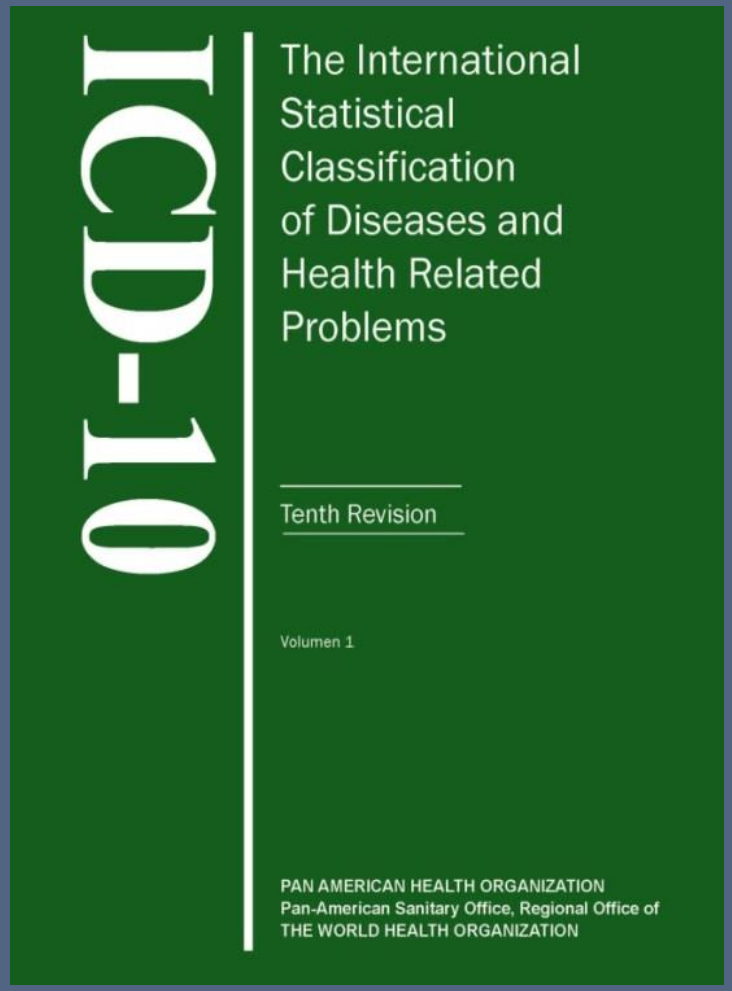


Preliminary estimates in miljon deaths, WHO, 2016

World Health Organization

ICD-10 in 2016

- Translated in **43** languages
- Used in over **100** countries, including more than 2 dozen modifications
- **Basis** for global cause-specific mortality statistics
- But now >25 years old



World Health Organization

Syfte med revisionen. Och vad är nytt?

6 översiktsbilder

ICD-11 www.who.int/classifications/icd/revision/

- **Scientifically** up to date – **statistical** continuity
- Suitable for electronic environments – print product
- **Multilingual**
- Smooth **transition** – simpler use
- Mortality
- Morbidity
  - Quality & safety
  - Casemix
  - Epidemiology
  - Primary care

ICD-11: the revision process

- Largest revision enterprise ever
- Internet platform for inputs and collaborative authoring platform (**iCAT**)
- Hundreds of scientists / clinicians contributed

7,436
proposals received

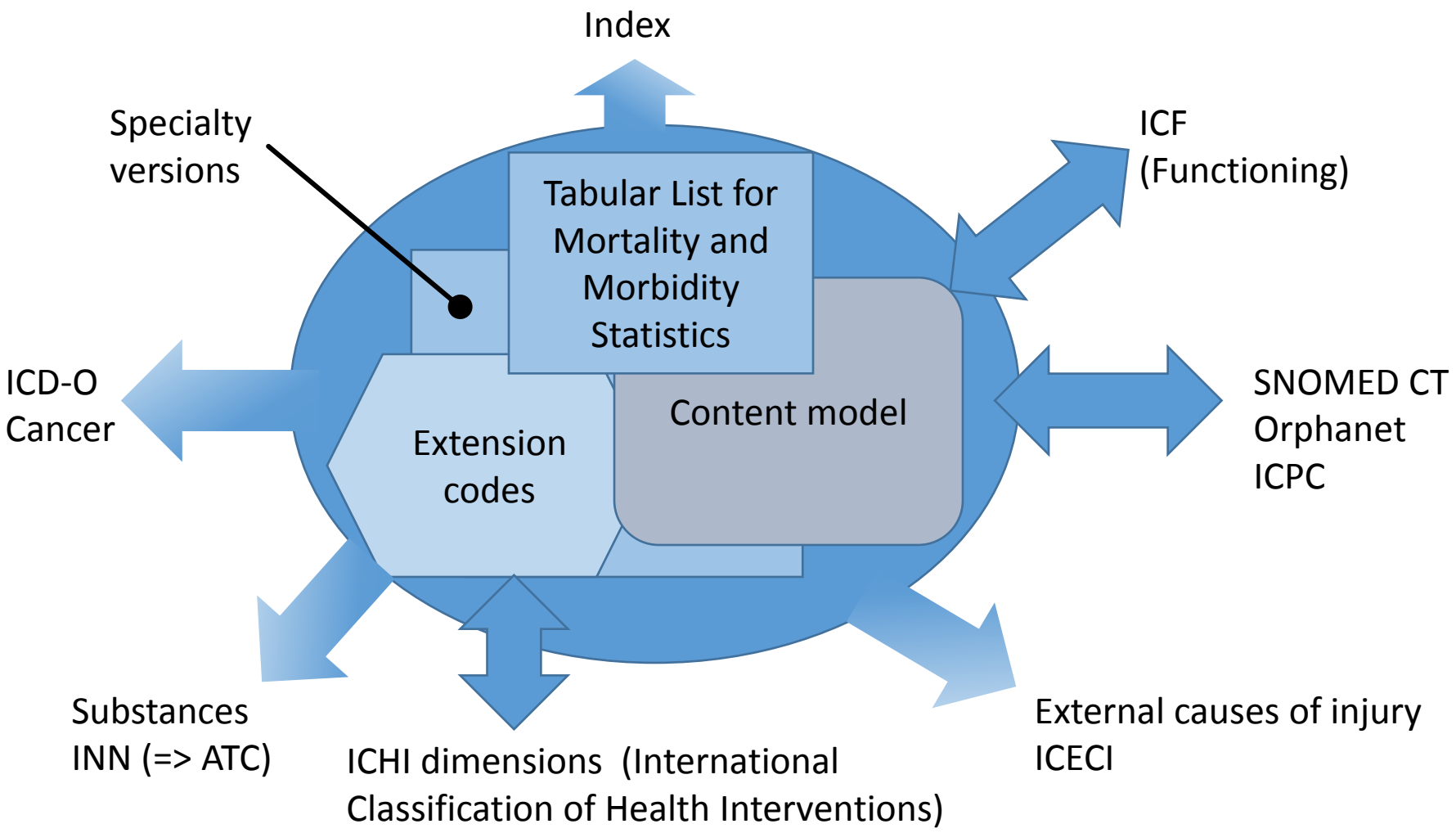
71%
Accepted in
Phase 1

ICD11 – what's new?
Foundation Component

54 000 entities

- Entities can be **diseases, disorders, injuries, external causes, signs and symptoms**
- **Each entity is described (in a content model) by 13 properties, such as body structure, manifestation properties, causal properties, functioning properties etc.**

ICD-11 Foundation



World Health Organization

ICD -11: what's new

Tabular Lists

Fit for a particular purpose: reporting mortality, morbidity, or other use

Entities of the foundation become categories that are Jointly Exhaustive and Mutually Exclusive of each other

New methods

- Pre-coordination and stem codes
- Post-coordination (extension codes)
- Sanctioning rules
- Multiple parenting
- Linearizations (tabular lists)

7 new Chapters

- Disorders of the Immune system
- Dis. blood & blood forming organs
- Conditions related to Sexual Health
- Sleep-wake disorders
- Traditional medicine
- Supplementary section for functioning
- Extension codes

New and improved tools

- Coding tools
- Browsing tools
- Translation tools
- Mapping tool
- Proposal and review tool

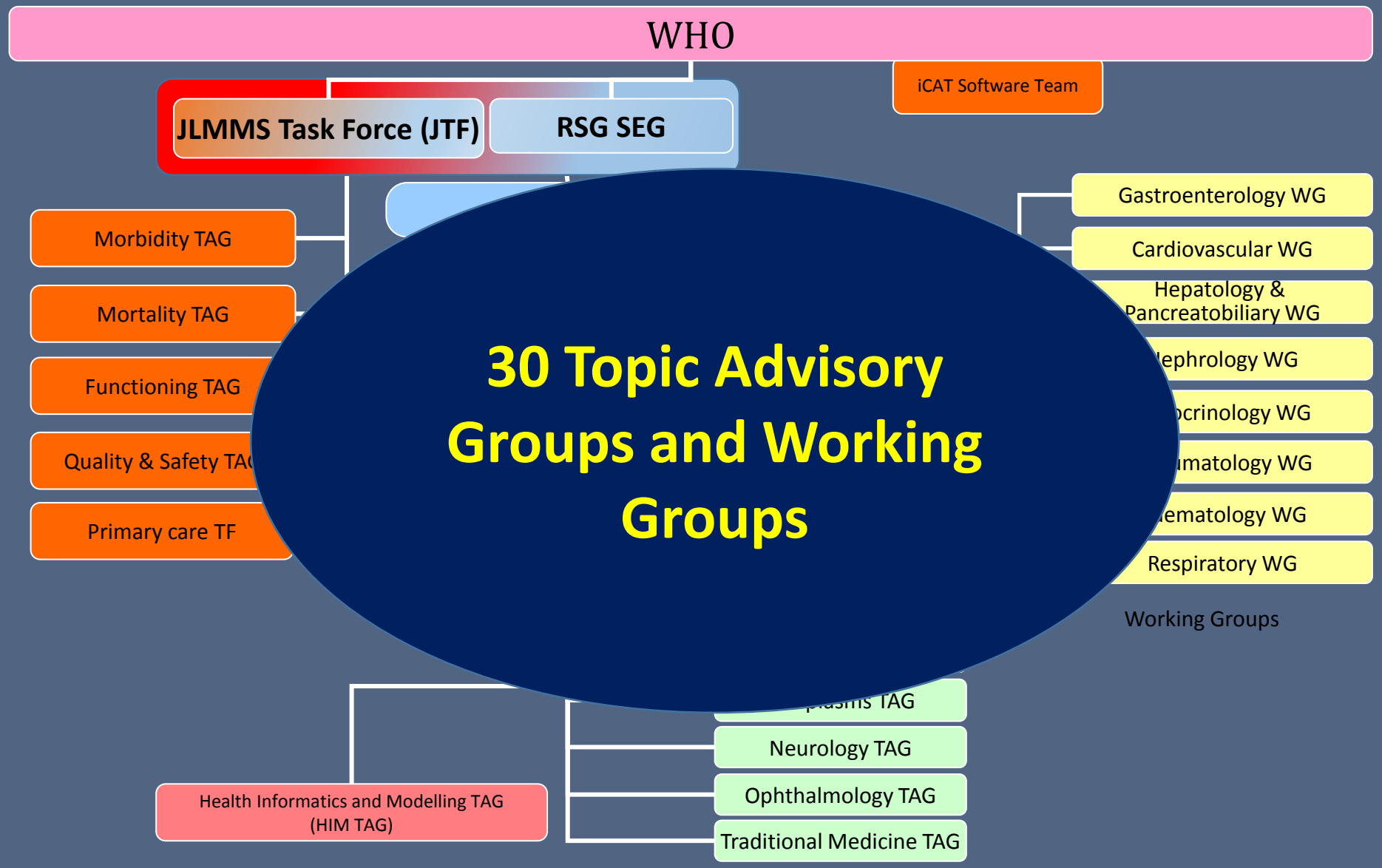
New chapters

- Immune System
  - Diseases related to the immune system; Some remain in organ system
- Disorders in blood & blood forming organs
- Conditions related to Sexual Health
  - Small chapter - special tabulation?
- Sleep Wake Disorders
  - Small chapter - special tabulation?
- Supplementary section for functioning (from ICF)
- Extension Codes
  - Allows adding detail – retaining important detail
- Traditional Medicine
  - Only for additional coding

Process

4 bilder

ICD Revision: Web of topic advisory groups and working groups



World Health Organization

ICD Revision Process 2007 - 2017

- **Phase 1 until 2015**: extensive clinical inputs from TAGs and methodological work to meet the many uses

- **External review** in 2015

- **Phase 2 from April 2015**: focus on mortality and morbidity statistics (MMS)

Arbetet 2015-2017 - efter review

- **Struktur** (som statistisk klassifikation)
- **Innehåll** (översyn av innehållet)
- **ICD-11-MMS** (Mortality and Morbidity Statistics)
  - MMS (Systematisk förteckning = eng. Tabular list = volym 1 i ICD-10)
  - Reference Guide (motsvarar volym 2 i ICD-10)
  - Index (eng. Index, motsvarar volum 3 i ICD-10)
- **ICD-11 foundation** (alla basala begrepp)
- **JTF** (Joint Task Force); en grupp experter tillsattes 2015
- **PC TF** (Primary Care Task Force) – harmonisering med ICPC-2 (3?)

ICD-11 – exemples: work during 2016

- Foundation has 53915 entities
  - 35.000 index entries reviewed and many edited plus entity titles
    - Spelling, language, pointing to correct entity
  - 5302 proposals (start June 2014); 97% actioned
    - Enhancement of definitions or terms (65%)
    - Hierarchical changes (35%)
  - 10900 parenting changes (mostly parent added)
  - 6163 titles edited
  - 4255 changes to shoreline
  - 2200 changes to grouping

ICD-11 verktyg

WHO: iCAT (underhållsverktyg) – 1 bild

Elektroniska verktyg (Browser, Proposal, Mapping, Coding , Translation) – 11 bilder

iCAT ICD Collaborative Authoring Tool

Tania Tudorache | Sign Out | Options ▼ | Send feedback!

My ICD | ICD Content | Category Notes and Discussions | Reviews | Change History | Manage Hierarchy | Export and Import

ICD Categories

Create | Watch Branch ▼ | Search: 'Melanoma of skin'

- Malignant neoplasms 1800
  - Malignant neoplasms, stated or presumed to be prima
    - Malignant mesenchymal neoplasms 4 279
    - Malignant neoplasms of lip, oral cavity and pharyn
    - Malignant neoplasms of digestive organs 480
    - Malignant neoplasms of middle ear, respiratory an
    - Malignant neoplasms of skin 3 90
      - Adnexal carcinoma of skin 3 2
      - Basal cell carcinoma of skin 4 6
      - Cutaneous neuroendocrine carcinoma 2
      - Cutaneous sarcoma 3 7
      - Melanoma of skin 14 8
      - Merkel cell carcinoma of skin 4
      - Occupational skin cancer 2 5
      - Squamous cell carcinoma of skin 6 18
      - ~~Other specified malignant neoplasm of skin~~
    - Malignant neoplasms of peripheral nerves and aut
    - Malignant neoplasms of retroperitoneum, peritone
    - Malignant neoplasms of breast 7 12
    - Malignant neoplasms of female genital organs

Details for Melanoma of skin

Title & Definition | Classification Properties | Post-coordination | Logical Definitions | Terms
Clinical Description | Manifestation Properties | Causal Properties | Temporal Properties
Severity Properties | Functioning Properties | Specific Condition Properties | Treatment
Diagnostic Criteria | ICD-10 Notes and Hints | ICD-10 Linearizations | Editorial Information

ICD-10 Code C43

ICD Title Melanoma of skin

Fully Specified Name

Short Definition

Text
A primary melanoma arising from atypical melanocytes in the skin. Precursor lesions include acquired and congenital melanocytic nevi, and dysplastic nevi. Several histologic variants have been recognized, including superficial spreading melanoma, acral lentiginous melanoma, nodular

External Definitions

Add new value

Definition	Source
A primary melanoma arising from atypical melanocytes in the skin. Precursor lesions include acquired and congenital melanocytic nevi, and dysplastic nevi. Several histologic variants have been recognized, including superficial spreading melanoma, acral lentiginous melanoma, nodular melanoma, and lentigo maligna melanoma.	UMLS/NCI2007_05E

World Health Organization

ICD-11 – elektroniska verktyg

- ICD-11 browser
  - See foundation and tabular list (linearization) and postcoordination
  - Download versions
  - ‘frozen’ versions
  - See differences
- Proposal and review (commenting) tool
  - Make suggestions and discuss them
  - Notifications
- Mapping tool
  - See mapping at detailed level – download maps
  - Comment mapping to and from ICD-10
- Coding tool
  - Spelling-synonyms no problem
- Translation tool
  - Translate in your language

ICD-11 Beta Draft –Browser

http://apps.who.int/classifications/icd11/browse/l-m/en#/

ICD-11 Beta Draft (Mortality and Morbidity Statistics)

Search [Advanced Search] Foundation Linearizations Contributions Info More...

ICD-11 Beta Draft - Mortality and Morbidity Statistics

- 01 Certain infectious or parasitic diseases
- 02 Neoplasms
- 03 Diseases of the blood or blood-forming organs
- 04 Diseases of the immune system
- 05 Endocrine, nutritional or metabolic diseases
- 06 Mental, behavioural or neurodevelopmental disorders
- 07 Sleep-wake disorders
- 08 Diseases of the nervous system
- 09 Diseases of the visual system
- 10 Diseases of the ear or mastoid process
- 11 Diseases of the circulatory system
- 12 Diseases of the respiratory system
- 13 Diseases of the digestive system
- 14 Diseases of the skin
- 15 Diseases of the musculoskeletal system or connective tissue
- 16 Diseases of the genitourinary system
- 17 Conditions related to sexual health
- 18 Pregnancy, childbirth or the puerperium
- 19 Certain conditions originating in the perinatal period
- 20 Developmental anomalies
- 21 Symptoms, signs or clinical findings, not elsewhere classified
- 22 Injury, poisoning or certain other consequences of external causes
- 23 External causes of morbidity or mortality
- 24 Factors influencing health status or contact with health services
- 25 Codes for special purposes
- 26 Traditional Medicine conditions - Module I
- V Supplementary section for functioning
- X Extension Codes

NEWS: We have new training videos on the ICD-11 Browser.

ICD-11 Beta Draft

Welcome to the ICD-11 Browser

You can browse the ICD-11 proposed content here

If you wish to participate in the Beta Phase you may create an account for yourself from
such as accessing print materials, commenting, making change proposals, receiving notif

Caveats

ICD-11 Beta draft is:

- **NOT FINAL**
- updated on a daily basis
- It is **not approved** by WHO
- **NOT TO BE USED** for CODING except for agreed FIELD TRIALS

Related Information

More information on ICD-11 Beta Phase

What to expect, when and how?

For more information about how to use the ICD-11 Browser, please see the User Guide

For more questions, please contact icd@who.int

Flikar

Linearizations Contributions

Mortality and Morbidity Statistics
- Print Versions
- Coding Tool
- Special tabulation list of infectious agents
- Special tabulation list of traffic accidents

Primary Care Low Resource Setting Linearization
- Print Versions

Primary Care High Resource Setting Linearization
- Print Versions

Dermatology Speciality Linearization
- Print Versions

Neurology Speciality Linearization
- Print Versions

Ophthalmology Speciality Linearization
- Print Versions

ICD-O Linearization
- Print Versions

Contributions Info

- Recent Comments
- Proposals

ntributions Info M

- User Guide
- Training Videos
- Caveats
- ICD-11 Reference Guide
- ICD Revision Site
- Downloads
- Frozen Releases

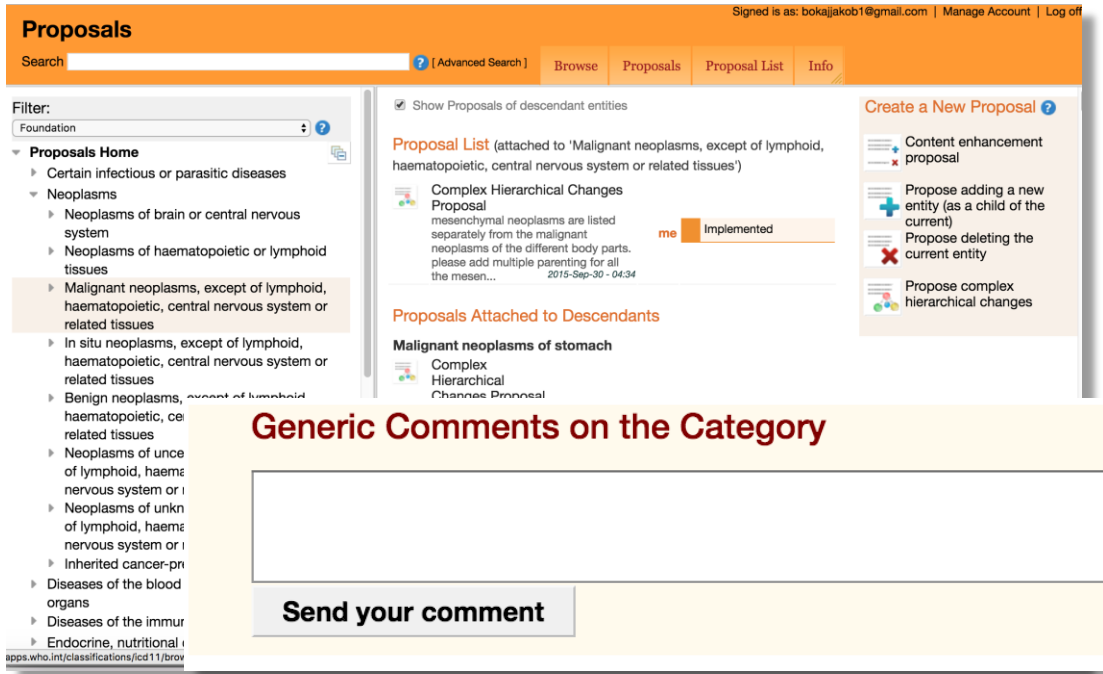
ons Info More...

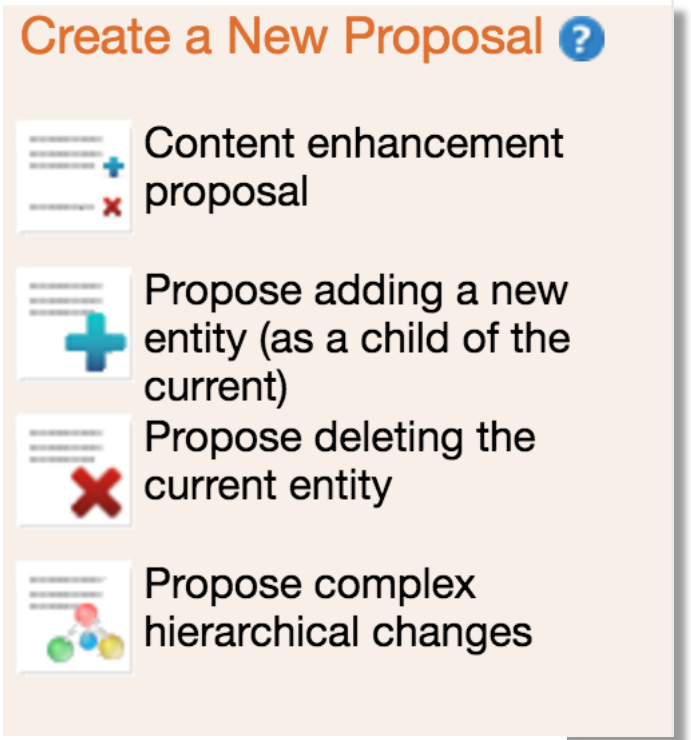
- Errors
- Multilingual
- Mappings

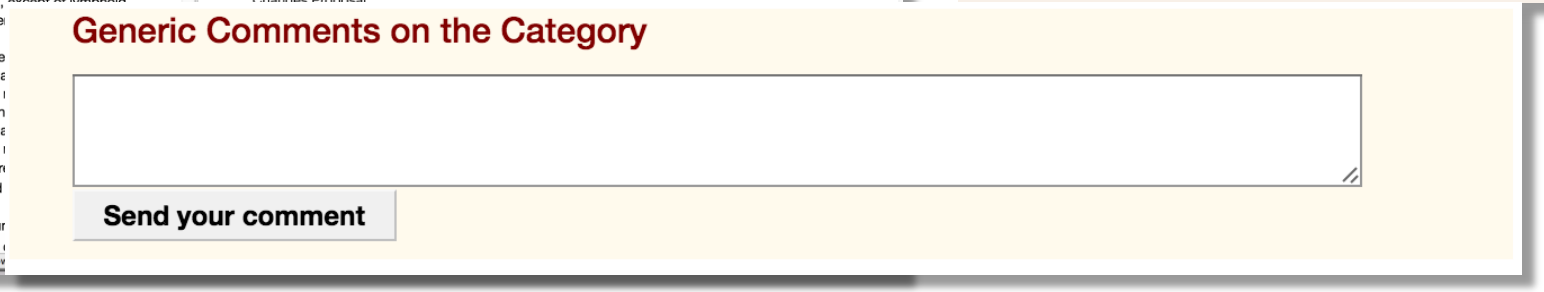
Proposals and comments

Comments and structured proposals

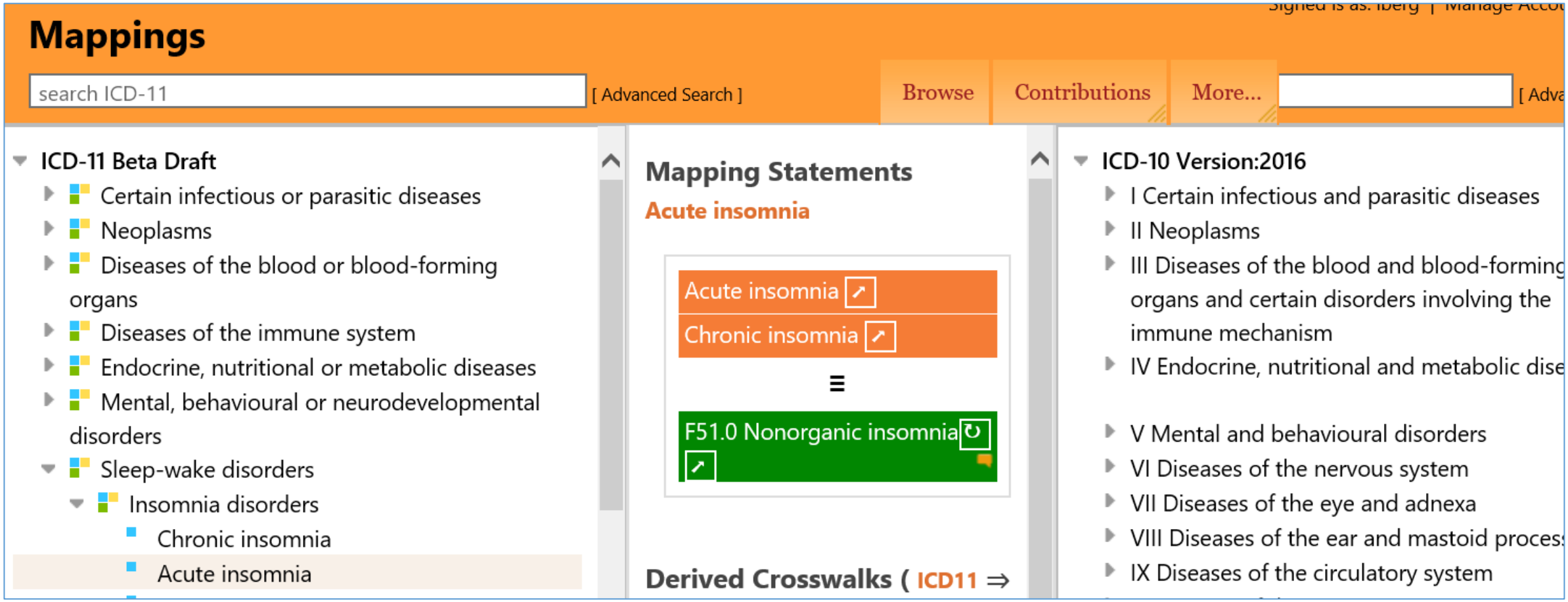
- By everybody
- Everywhere in the classification
- Scientific and classification review





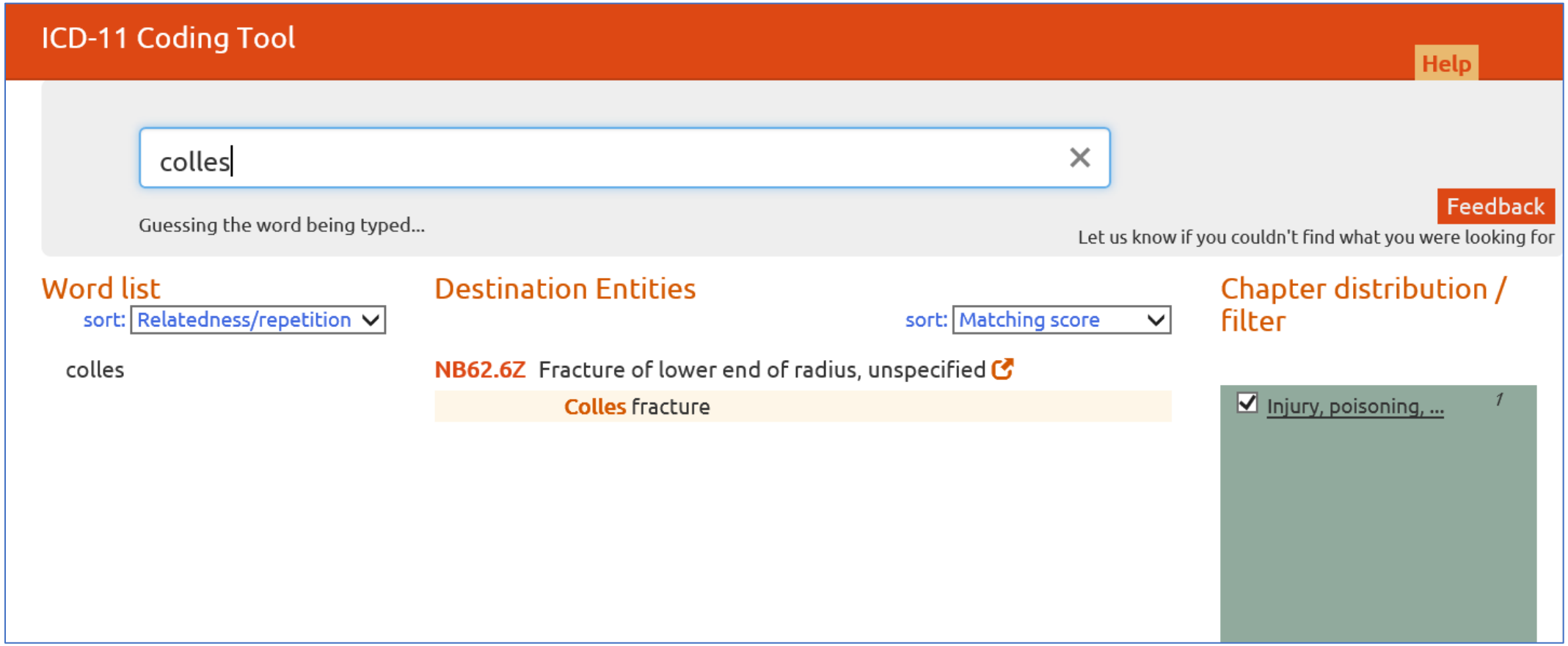


Mapping - transition



Coding tool

Skriv i sökbegreppet …



Välj postcoordinering

Post-coordination ?

Add detail to **Fracture of lower end of radius, unspecified**

Laterality *(use additional code, if desired)*

XK627678743	Bilateral
XK271422288	Left
XK876572005	Right
XK1038788978	Unilateral, unspecified
XK1694310660	Unspecified laterality

Fracture subtype *(use additional code, if desired)*

XJ1126329182	Avulsion fracture
XJ1941319848	Bucket handle or corner fracture
XJ1856452751	Burst fracture
XJ2006159364	Comminuted fracture

Fracture open or closed *(use additional code, if desired)*

XJ1387112294	Closed fracture
XJ1882092801	Open fracture

Specific anatomy *(use additional code, if desired)*

XA404102385	Radial groove
XA910611825	Radial head
XA560902577	Radial neck
XA237016664	shaft of radius
XA420016792	styloid process of radius

Associated with *(use additional code, if desired)*

Diabetes
- lägg till komplikationer

Post-coordination

Add detail to **Type 1 diabetes mellitus**

Associated with *(use additional code, if desired)*

If desired, you could provide additional specific detail. You may click the to see the additional categories that could be added. Alternatively, you may use the Search field.

Search
retino

Search results Associated with

DA00.1 Cheilitis
- **retinoid** cheilits

BC00.Y Other specified atherosclerotic chronic arterial occlusive disease
- Atherosclerotic **retino**pathy

9B51.1Z Diabetic **retino**pathy, unspecified

9B51.11 Nonproliferative diabetic **retino**pathy

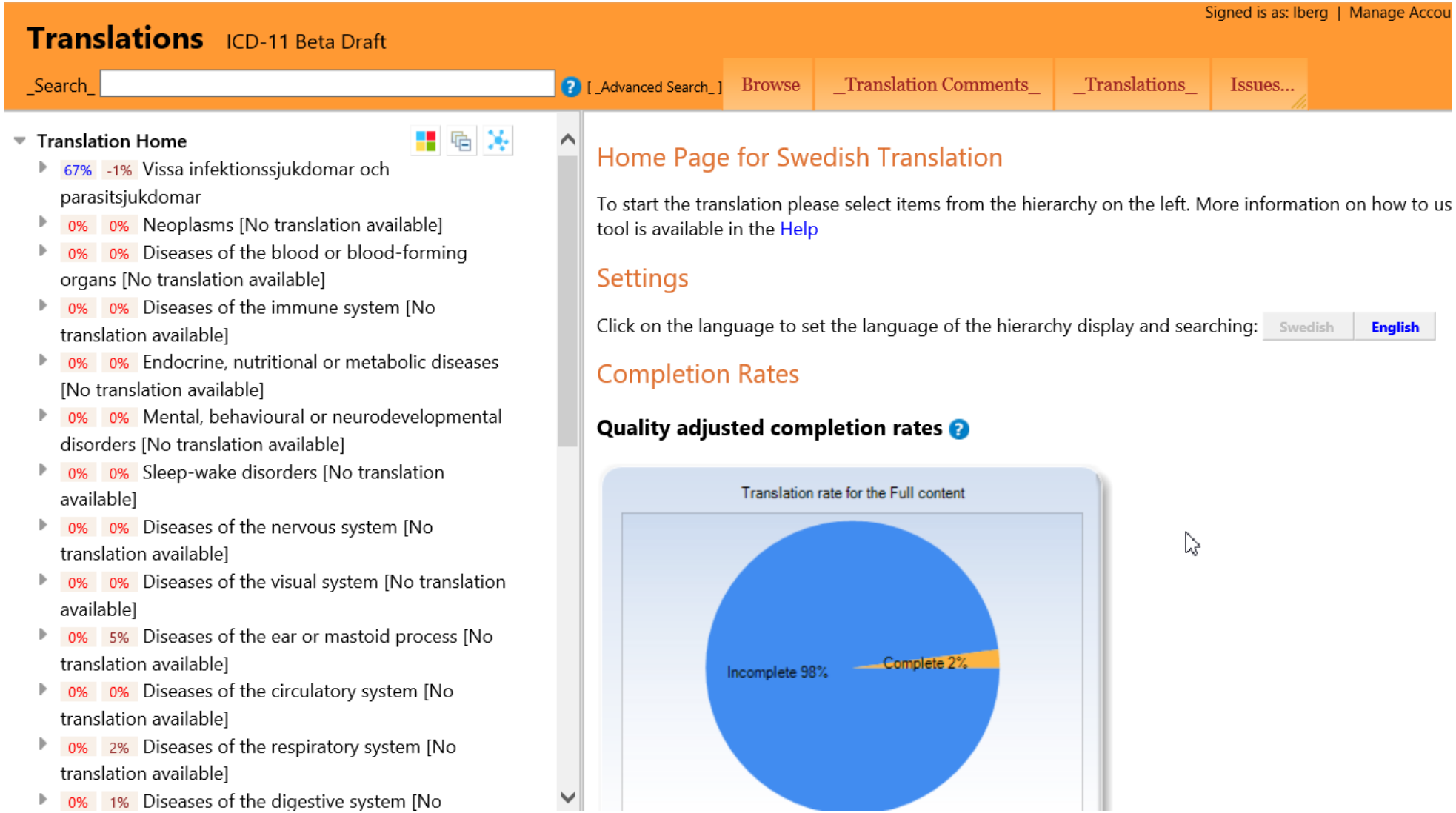
9B51.12 Preproliferative diabetic **retino**pathy

9B51.13 Proliferative diabetic **retino**pathy

BC33.1 Primary lymphoedema
- Lymphoedema, microcephaly and **chorioretinopathy** syndrome

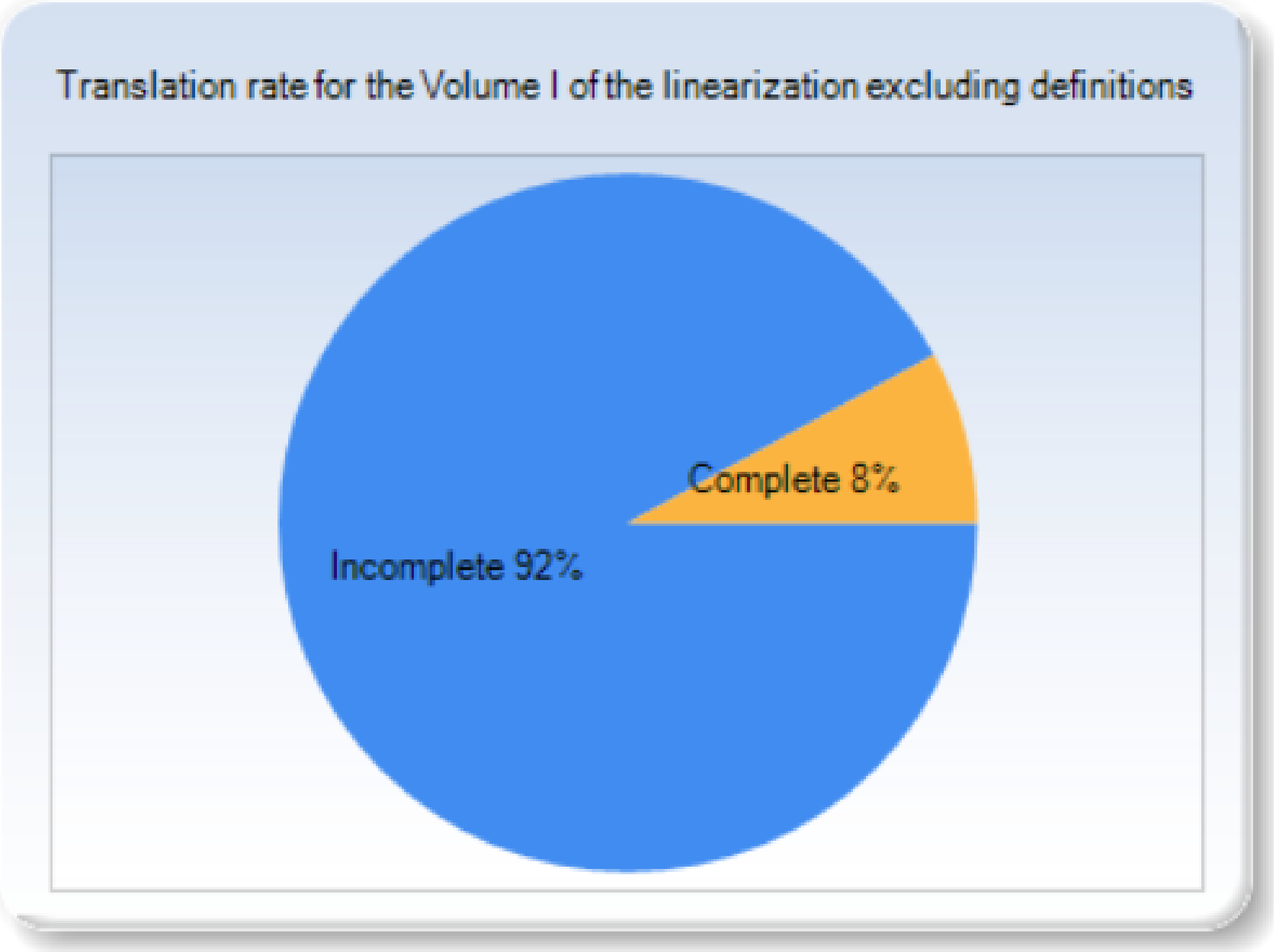
Swedish ICD-11 Translation Platform

- with 4000 translations imported from the Swedish ICD-10 file



Raw completion rates

- Volume 1



Swedish Description and Title inserted

[_Advanced Search_] Browse _Translation Comments_ _Translations_ Issues...

IMPORTANT!

Certain infectious or parasitic diseases

English	Swedish	Current Stage	Next Stage	Approve
Definition				
This chapter includes certain conditions caused by a pathogenic organism or microorganism, such as a bacterium, virus, parasite, or fungus.	Detta kapitel innehåller vissa tillstånd orsakade av patogena organismer eller mikroorganismer, såsom bakterier, virus, parasiter eller svampar.	Stage2	Stage2	
Title and Synonyms	**Is Title** / **Is Title**			
Certain infectious or parasitic diseases	Vissa infektionssjukdomar och parasitsjukdomar	Stage2	Stage2	

You have made 2 new translation(s).

OK

Comments

IMPORTANT!

Certain infectious or parasitic diseases

English	Swedish	Current Stage	Next Stage	Approve
Definition				
This chapter includes certain conditions caused by a pathogenic organism or microorganism, such as a bacterium, virus, parasite, or fungus.	Detta kapitel innehåller vissa tillstånd orsakade av patogena organismer eller mikroorganismer, såsom bakterier, virus, parasiter eller svampar.	Stage2	Stage2	

Detta borde Olafr värdera!

Lars Berg *2017-Apr-17 - 09:59 UTC*

add new comment INVITE

REPLY AGREE DISAGREE SPAM

Implementering

När ??

ICD-10 och ICD-11: revisionskonferenser

- **ICD-10 Revision Conference 1989**
  - **WHA (World Health Assembly) approval 1990**
  - Tryck av engelsk WHO klassifikationer 1993-94
  - implementering i de nordiska länderna
    - 1994-99 (morbiditet)
    - 1994-97 (mortalitet)
- **ICD-11 Revision Conference in Tokyo, Japan, 12-14 October 2016**
  - **WHA (World Health Assembly) approval May 2018**
  - Översyn och korrektioner under ett par år (2018-2019)
  - Nationella översättningar, implementering (**2020-2022)**