Webinar on ICD-11 implementation strategy and country experiences

Classifications and Terminologies Unit
WHO HQ, Geneva

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ICD-11

International Classification of Diseases
Eleventh Revision

ICD is a legally mandated global health data standard

ICD-11 is in effect since January 2022 (mortality and morbidity)

Independent of language and culture

Comparable statistics - semantic interoperability - for 150 years

ICD-11 is the most recent revision
• Full Integration of terminology and classification
• Fully digital, but paper use possible
• Scientifically updated
• All clinical detail codable, as much as desired
Interoperability

ICD and WHO-FIC

Exchange of health record information across settings and environments

Better health and use of resources by better data

Direct health impact
- Patient documentation
- Disease surveillance
- Disease registries
- Surveys
- Causes of death
- Demographics Registries
- Civil registration
- Drug interactions
- Patient safety
- Device safety
- Medicament safety
- Guidelines
- Protocols
- Telemedicine
- Certificates (e.g. vaccines)
- Interventions
- Prevention
- Social medicine
- Functioning assessment

Indirect health impact
- Payer
- Allied Health
- Other Providers
- Material Consumption
- Human Resources
- Financing
- Lab

Future impact
- Big Data
- Machine learning
- Artificial intelligence
- Reasoning or decision support
ICD-11
Designed for Multiple Uses

- Cause of Death
- Clinical terms, records, surveillance
- Casemix, costing, resources, DRG
  - Cancer registration
- Patient safety
  - Drug safety
  - Device safety
- Functioning assessment
- Primary care
  - Prevention
  - Research
The WHO Family of International Classifications (WHO-FIC)

Common Foundation

Extension Codes WHO Terminologies
- WHO INN (non proprietary names - medicaments)
- WHO Devices
- ICD-O - Histopathology (tumours)
- Anatomy
- Details of external causes e.g. parts of buildings
- Severity
- Infectious agents

Related Classifications, Terminologies, Standards
- ICNP Nursing
- ICPC Family med. Aspects
- ATC Medicament dosage use
- Orphanet Rare diseases
- LOINC/NPU Laboratory

Other systems (OBO, HPO, SNOMED, MedDRA)

ICD-11

ICHI

ICF
ICD-11 implementation is progressing
ICD-11 in numbers

Maintenance platform

- 17,000 Proposals
- 20,000 Users
- 18,000 Monthly sessions on platform
- 350 Experts globally involved directly in maintenance
- 99 Countries input, so far

Use

- 10,000,000 Application Programming Interface (API) hits per month
- 100,000 Docker Hub API image pulls (offline use)
- 33,000 Monthly sessions ICD-11 browser (ICD-10: 21,000)
- 6,300 Cloud hosted API registered accounts

Content

- 17,000 Categories
- 85,000 Entities
- 130,000 Terms
- >1,600,000 Expressions directly supported based on ontological structure
- Endless detail with manual code combinations
ICD-11 uses in 2022

Health record
- Primary care
- Secondary Care
- Tertiary Care

Death Certificate

Reimbursement

Vaccination certificate

Publications
- Pubmed: 31.000
- G-Scholar: 1.000.000

Diagnostic guidelines

Essential medicines

Universal Health Coverage Menu

DHIS 2*

Traditional Medicine

* District health information system
ICD-11
Implementation Package

- ICD-11 Browser (multilingual)
- Coding tool (multilingual)
- Reference Guide & Transition Guide
- API, URI, Code combinations
- Proposal & Translation platforms
- Mapping tables from and to ICD10
- Field implementation test platform (ICD-FIT)
http://icd.who.int

Access all ICD-11 tools

Use ICD-11
- ICD-11 Browser
  for seeing the content
- ICD-11 Coding Tool
  for coding with ICD-11
- ICD-API
  web services to get programmatic access to ICD-11
- ICD-11 Implementation or Transition Guide

Learn More
- ICD Home Page
- ICD-11 Reference Guide
- ICD-11 Fact Sheet
- ICD-11 License
- ICD-11 Training
- ICD Video
- Older versions
- ICD-10 Browser

Be Involved
- Our maintenance platform provides various ways to contribute
  - Comments
  - Proposals
  - Translations
http://icd.who.int

Access to all support tools

License

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Access to all support tools

Self learning training traditional style

Modern course with WHO academy under development

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International Classification of Diseases 11th Revision
The global standard for diagnostic health information
Transition or implementation guide available in multiple languages

Step 1
Choose your language

Step 2
Download the ICD-11 Implementation or Transition Guide

ICD-11
International Classification of Diseases 11th Revision
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http://icd.who.int
Priority areas

01 ICD-11 translation
02 ICD-11 familiarization & training
03 IT planning and piloting ICD-11
04 Ensure comparability and quality of data
05 Advocacy and dissemination
06 Mortality and morbidity reporting
Multilingual Browser – access all detailed content manually
ICD-11 for Mortality and Morbidity Statistics (Version: 02/2022)

Mappings
Between ICD-10 and ICD-11
Access from the browser

Special rules for mapping from or to ICD

https://www.who.int/publications/m/item/who-fic-classifications-and-terminology-mapping
Earlier releases and their maps

ICD-11 for Mortality and Morbidity Statistics

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<tr>
<th>Releases</th>
<th>Available languages</th>
<th>Changes made</th>
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</table>

Access from browser
Coding Tool

Always use coding tool

Software support for frequent code combinations

Type a diagnostic statement into the Coding Tool

e.g. cancer of stomach

The Coding Tool will find the best match
ICD-11 Reference Guide

- Uses of ICD-11
- Structure of ICD-11
- Rules for recording and coding
  - Mortality
  - Clinical
  - Traditional medicine diagnoses
  - Patient safety
- Rules for Tabulation
- Maintenance process and rules
- Differences to ICD-10
- Flyer on how to fill in medical certificate of cause of death
Use ICD-11 on

the web

local computers

local networks

in release version and desired language(s)

Update local deployment at any time

Software access to ICD-11 Application Programming Interface (API) explained

Embedding of coding tool in local software explained

Deploying API Locally explained

...and more

https://icd.who.int/icdapi
More tools

WHO-FIT Field implementation and testing platform
  online coding and coding assessment - access on request

DORIS - Software support for selection of cause of death on death certificate

ANACOD 3 - Analysing population cause of death level data

CodEDIT - coding plausibility check
Like to change something in ICD-11?

Suggestions for changes to ICD-11 can be initiated easily

Submit a proposal

Include robust evidence

http://icd.who.int
WHO Network for the Family of Classifications and Terminologies (WHO-FIC) – support maintenance and dissemination

https://www.who.int/standards/classifications/who-fic-maintenance
Access to information

Icd-11 Homepage: https://icd.who.int

Available languages : Arabic, Chinese, English, French, Russian, and Spanish

https://www.who.int/standards/classifications

https://twitter.com/WHOICD11

https://www.facebook.com/ICD11

For questions related to ICD-11 contact:

icd@who.int