International Classification of Diseases
11th Revision

ICD-11 in Dermatology
14:00-15:00 CET
ICD-11

International Classification of Diseases

Legally mandated WHO health data standard* – in effect from January 2022 (mortality and morbidity)

Up-to-date scientific knowledge

Integration of terminology and classification

End-to-end digital solution (API, tools, online and offline)

Conceptual framework independent of language and culture

Comparable statistics – semantic interoperability - for 150 years

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https://icd.who.int
Implementation is progressing

ICD-11 Implementation Status

The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not be full agreement.

https://icd.who.int
WHO core classifications

ICD
International Statistical Classification of Diseases and related health problems

ICHI
Interventions for treatment, prevention and diagnostics: medical, nursing, rehabilitation, laboratory, imaging, ultrasound, public health...

ICF
International Classification of Functioning, Disability and Health: Describes functional health status and social impact (bio-psycho-social model).

https://icd.who.int
The WHO Family of International Classifications (WHO-FIC)
Designed for Multiple Uses

ICD-11

- Cause of Death
- Clinical terms, records, surveillance
- Functioning assessment
- Primary care, Prevention, Research
- Patient safety
  - Drug safety
  - Device safety
- Casemix, costing, resources, DRG
- Cancer registration

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ICD-11 - statistical core (26 chapters)

Need for Health services Conditions Factors influencing

Maternal

Neonate

General population

Trauma

Infection

Congenital

Tumour

Other

Immune system

Blood

Psychiatry

Eye

Ear

Respiratory

Skin

Urogenital

Endocrine

Neuro

Cardiovascular

Digestive

Musculoskeletal

Sleep-Wake

Traditional medicine conditions (optional dual coding)

Ancient Chinese roots

Ancient India roots

Functioning assessment (WHO DAS2)

Sexual Health

Signs Symptoms

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Based on: Paoin
ICD-10

Statistical system imposed for clinical use

Primitive structure with focus on statistics.
Missing a lot of clinical detail
Print product

Codes and URI Combinations:

14 000 stat. categories (codes)

Separate text index

Separate rule base

Need terminology link

30 years outdated content

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ICD-11

Clinical systems for statistical use

Ontology with multiple parenting

All desired clinical detail codable
  Use code combinations

More detail beyond statistical categories (foundation in yellow)

Input from clinical modifications of ICD-10

Codes and URI Combinations:

17 000
  stat. categories (codes)

80 000
  entities

120 000
  terms

>1 600 000
  terms with formalized post-coordination

Searchable in “Google style” without training

https://icd.who.int
New and updated content

New chapters and sections
• Diseases of the immune system
• Sleep wake disorders
• Conditions related to sexual health
• Optional section Traditional Medicine Conditions
• Disability assessment Scheme (WHO-DAS)

In line with major international initiatives, as
• Patient safety reporting
• Antimicrobial resistance documentation
• Detail for DRG (integration of clinical modifications of ICD)
• Detail for primary care

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Updates

Some highlights

Neoplasms

- New hierarchy
- Inclusion of histopathology, basalioma, melanoma types
- Coding for Grade and Stage

Nervous system

- More clinical detail
- Moved cerebrovascular diseases here

Cardiovascular system

- Myocardial infarction STEMI- non-STEMI
- Updated arrhythmias and pulmonary hypertension

Codes for COVID-19

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This new chapter (previously part of Chapter III in ICD-10) has the following sections:

- Immunodeficiencies
- Non-organ specific systemic disorders (NOSSAD)
- Autoinflammatory disorders
- Allergic or hypersensitivity conditions (+anaphylaxis)
- Certain diseases involving the immune system
- Diseases of thymus

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Fully redesigned Chapter 14
Diseases of the skin

ICD-11
External Causes

More consistent detail
Better organization of traffic accidents
New section on causes of healthcare related harm or injury (patient safety)
  Completely overhauled for modern reporting of harm or near failure

Other sections include Exposure to extreme forces, Maltreatment, Legal intervention, Armed conflict and

Functioning

WHO DAS 2 assessment of functioning and calculating a score

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More than diagnoses

ICD-11

### Conditions - Classification
- Diagnoses
- Injuries
- Signs
- Symptoms
- Findings
- Reasons for encounter or health status
- External causes of illness & death
- Traditional medicine conditions
- Functioning assessment – WHO-DAS2

### Extension codes - Terminology
- Severity
- Temporality
- Anatomy
- Laterality
- Consciousness
- Infectious agents and AMR
- Histopathology (ICD-O)
- Chemicals and Medicaments (INN)
- Devices
- Mechanisms of harm (Safety)
- Activities
- Places
- Objects

https://icd.who.int
Easy to use
Multiple tools

- ICD-11 self learning training online
- Guide for implementation of ICD-11 timelines – steps – questions
- Mappings
- Field implementation and testing platform
- Webinars and online class for coding
- DRG system (under development)
- API and coding tool that can be embedded LOCALLY or ONLINE

https://icd.who.int
Type a diagnostic statement into the Coding Tool

e.g. *cancer of stomach*

The Coding Tool will find the best match

https://icd.who.int
Type a diagnostic statement into the Coding Tool
e.g. **Osteoarthritis of right knee**

The Coding Tool will find the best match including the code combination (postcoordination) information for left or right (laterality)

https://icd.who.int
Type a diagnostic statement into the Coding Tool

e.g. *multi-drug resistant tuberculosis*

The Coding Tool will find the best match including the code combination

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Coding Stroke

ICD-11

https://icd.who.int
Note: In ICD-11, some known frequent combinations are directly provided by the system. Other combinations need to be manually selected.
Multilingual

ICD-11

French and Russian become available this year
20 more translations are being prepared

https://icd.who.int
Person worried, feels increasingly sick; some infection is circulating

| ICD-11 Code the worry of the patient | Data inform planning of prevention |

Practitioner identifies febrile viral infection

| ICD-11 Code reason for encounter - infection | Data inform resource planning and epidemiology |

Severity increases and referral to secondary care, intensive care, COVID-19 identified

| ICD-11 Code reason for stay – COVID-19 | Data inform resource planning, DRG, service availability and epidemiology |
| ICHI Code therapies |

Family members are checked for contagion

| ICD-11 COVID-19 excluded | Data inform epidemiology, coding, service availability |
| ICHI Code diagnostic test |
A Patient’s path

## A near incident occurs at the intensive care unit (failure infusion pump)

<table>
<thead>
<tr>
<th>ICD-11</th>
<th>Code failure pump, no harm to patient</th>
<th>Data inform patient safety and quality monitoring, device safety monitoring, costing</th>
</tr>
</thead>
</table>

## Recovery requires physiotherapy

| ICD-11 | Code and assess functioning score | Data inform costing, DRG, service availability, resource planning, impact of services |
| ICF    | Code specific functioning         |                                                                                  |
| ICHI   | Code physiotherapy               |                                                                                  |

## Fitness has improved and the person is back to work

<table>
<thead>
<tr>
<th>ICD-11</th>
<th>Code and assess functioning score</th>
<th>Data inform social insurance, rehabilitation and reintegration</th>
</tr>
</thead>
</table>
Register yourself and submit a proposal providing
- Rationale
- Scientific evidence
- Impact

https://icd.who.int
This site contains unreleased, work in progress versions of the WHO Family of International Classifications (WHO-FIC). For the latest release of ICD-11 visit ICD-11 Home Page

You need to create an account if you wish to contribute to the classifications by writing proposals or comments.

**Browse**

- Foundation
  - Browse the foundation component

- Reference
  - Classifications
    - ICD-11 MMS
    - ICD-11 Coding Tool
    - ICF
    - ICHI

- Other Linearizations
  - Primary Care
  - Linearization
  - more

**Proposals**

- ICD-11
  - Add Proposals / See in hierarchy
  - Proposal list / Search

- ICF
  - Add Proposals / See in hierarchy
  - Proposal list / Search

- ICHI
  - Add Proposals / See in hierarchy
  - Proposal list / Search

**Translation Platform**

Assists the translation process.

Translation Platform can be used by registered translators only More info

https://icd.who.int
Access to information

ICD-11 home page: https://icd.who.int

Translations: Arabic, Chinese, English, French, Spanish, and Russian;

https://www.who.int/classifications

To submit questions and suggestions related to WHO-FIC, contact:

icd@who.int, whofic@who.int and ichi@who.int