

International Classification of Health Interventions (ICHI)

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KlasifiKon 10th November 2021



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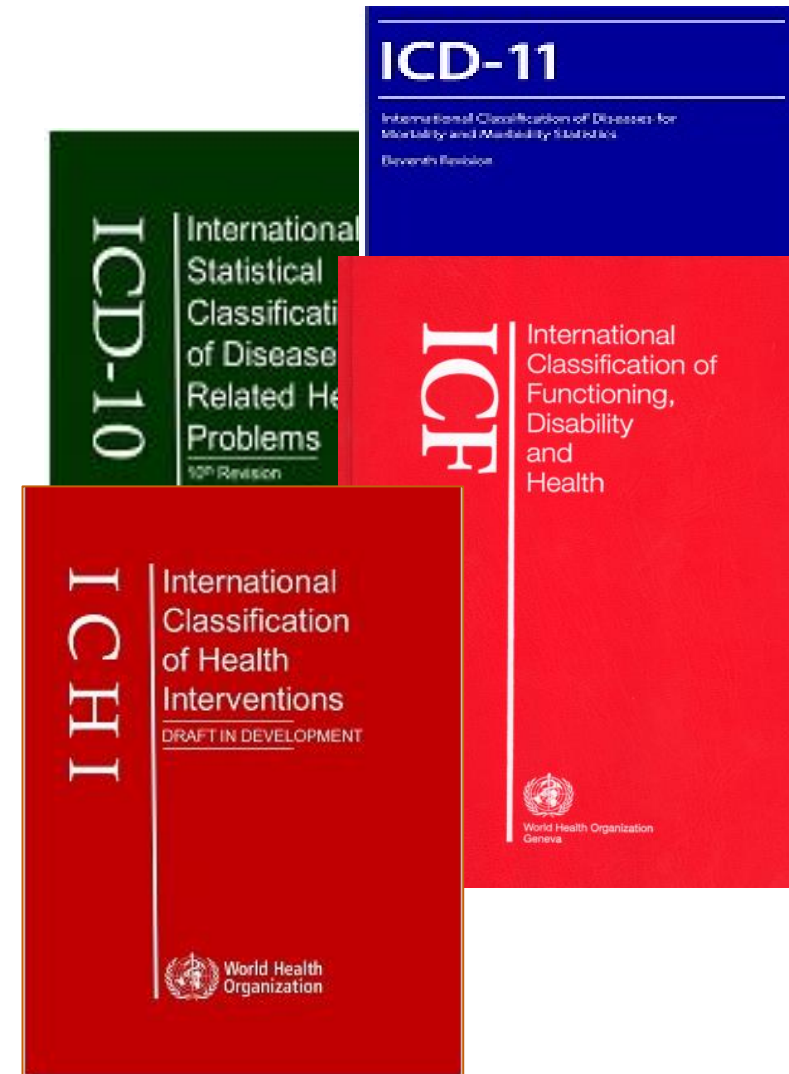


Outline

- WHO classifications and their development
- ICHI background, scope, use cases
- ICHI structure and content
- Examples
- Using ICD, ICF and ICHI together
- Testing, education, maintenance
- Timetable

Development of a new International Classification of Health Interventions (ICHI)

- ICHI is a member of the WHO Family of International Classifications
- Classifies interventions across all sectors of the health system



WHO Reference Classifications

Classifications provide a firm base for data collections

ICD Causes of death classified internationally since 1890s (ICD).

ICD extended to morbidity and external causes in 1948

ICD-10 1990, ICD-11 2019

ICF Functioning and disability 2001

Biopsychosocial model of functioning and disability

Body Functions and Structures, Activities and Participation

Environmental Factors

ICHI International Classification of Procedures in Medicine 1978

Not maintained, mainly surgery

Multiple national classifications then developed

For completion 2022

Interventions are the missing link for WHO

ICHI

International
Classification
of Health
Interventions

DRAFT IN DEVELOPMENT



World Health
Organization

ICHI journey: 2007 to 2021

2007: No useable international classification

- Proliferation of national classifications
- Many countries without a classification
- International comparisons difficult
- ICHI development commences

2021: WHO ICHI: planned completion 2022

- WHO platform now in place

<https://icd.who.int/dev11/l-ichi/en#/>

- WHO international review of medical and surgical interventions
2020: ICHI content now stable
- Functioning interventions review underway
- Major development of public health interventions

Use cases for ICHI

- National uses
 - Countries with no classification of health interventions
 - Countries that have used ICD-9-CM Vol 3
 - Countries wishing to align national classification with ICHI
 - Adding components of ICHI to national classifications
- International comparisons
- Sustainable Development Goals
- Universal Health Coverage
- Patient safety and quality
- Health System Performance (including Financing)
- Public health: coding, planning, communication

Broad Scope of ICHI

National classifications of interventions focus on acute diagnostic, medical and surgical interventions provided to hospital inpatients.

ICHI covers the entire health system, including:

- acute care
- mental health
- primary care
- allied health
- assistance with functioning
- rehabilitation
- prevention
- public health
- traditional medicine

ICHI Structure: Health Intervention definition

A **health intervention** is an act performed for, with or on behalf of a person or a population whose purpose is to improve, assess, maintain, promote or modify health, functioning or health conditions

ICHI Structure: Three axes

Target entity on which the Action is carried out

Action deed done by an actor to the Target

Means processes and methods by which the Action is carried out

Examples of interventions in ICHI

Intervention	ICHI code	Target	Action	Means
Laparoscopic appendicectomy	KBO.JK.AB	KBO Appendix	JK Excision, total	AB Percutaneous endoscopic
Percutaneous administration of immunological agent	DTB.DB.AE	DTB Immunological system function	DB Administration of substance	AE Percutaneous
Assessment of joint mobility	MTB.AA.ZZ	MTB Mobility of joint functions	AA Assessment	ZZ Unspecified
Enactment of restrictions through laws or standards to improve outdoor air quality	UBM.WI.QD	UBM Outdoor air quality	WI Restrictions through laws or standards	QD Enactment

Use Extension codes for detail (use as needed)

Therapeutic products Assistive products Medicaments

Quantifiers

Additional descriptive information

Topology: laterality, measurement, relational

Telehealth

Essential pathology tests

Supplementary target

Additional anatomy

Extension codes expand the detail and granularity of ICHI stem codes

Combining codes

- ICHI code & extension code(s)
- Interventions performed **together**:
Intervention 1 / Intervention 2
- **Packages** of interventions:
Intervention 1 + Intervention 2 + ...
 - rehabilitation, mental health, public health
- Adding codes from **other classifications #**
 - International Standard Industrial Classification ISIC (U.N.)
 - Central product Classification CPC (U.N.)

What ICHI does not do

ICHI does not include:

- **Reason(s)** for the intervention (use ICD or ICF)
- **Provider** of the intervention
- **Setting** of the intervention
- **Workload** measure
- **Outcome** of the intervention (ICD or ICF)

ICHI in 2021

<https://icd.who.int/dev11/l-ichi/en#/>

Content:

Interventions (over 7,000 stem codes)

Inclusions/Exclusions/Index terms

Axes: Targets, Actions, Means

Extension codes

Reference Guide (use the 'Info' tab on the ICHI browser)

Common platform with ICD-11, ICF

Coding tool still being developed

ICHI in 2021

Chapters Interventions on

1-12 Body Systems and Functions

13-21 Activities and Participation domains

22-27 Environment

28 Health-related behaviours

Note: Public health interventions generally have Targets in chapters 22 to 28

Using ICD, ICF and ICHI together

Using ICHI with ICD

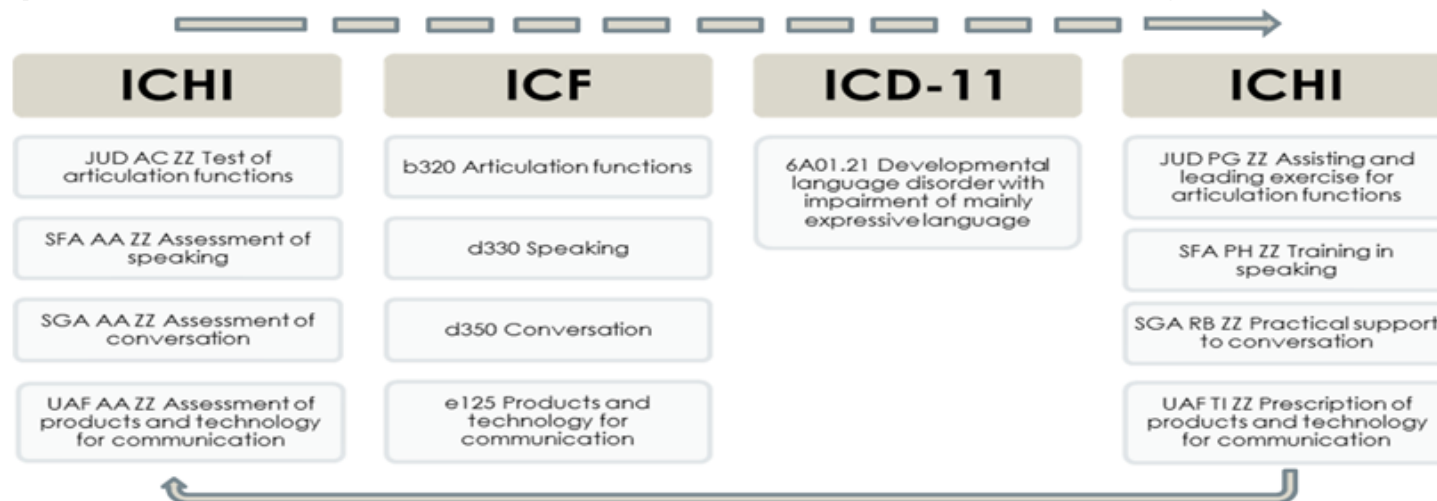
e.g. person with Crohn disease of large intestine admitted for hemicolectomy

ICD-11 DD70.3 (Crohn disease of large intestine)

ICHI KBP.JJ.AA (Partial excision of colon)

Using ICHI with ICD and ICF

e.g. person with communication-related functioning limitations



WHO grouper

- WHO is now working to develop a casemix grouper
- Aim is to have a 'package' of ICD-11, ICHI and grouper
- Groupers now used in many countries have a common origin and are broadly similar
- WHO thinking is to use the Nordic grouper as a starting point
 - It is in the public domain

Completing ICHI

WHO international reviews underway

Finalise content, reference guide and education material

ICHI coding tool completed

Formal approval process

Maintenance and updates will be as for ICD and ICF

ICHI towards finalization: WHO timetable

- Active users to contribute to ICHI Reference Group
- June 2020 clinical component finalized for implementation (started)
- End November 2021 Functioning review
- February 2022 Public health interventions
- March 2022 final editing
- April 2022 member state consultation
- July 2022 address input from member states
- Final edits August 2022
- Implementation preparation version in August 2022

Conclusion

- After 14 years, ICHI is a reality
- Completion envisaged in 2022
- Thanks to many developers across the WHO-FIC Network

Thank you for your attention



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