World Health Organization

International Classification of Diseases 11th Revision

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Unit Lead

Classifications and Terminologies

International Classification of Diseases (ICD)

Legally mandated health data standard* – for mandatory use from January 2022

(mortality and morbidity)

Conceptual framework independent of language and culture

Lossless clinical documentation (code all the detail you want)

Integration of terminology and classification

Links to other terminologies for other uses

Integration of WHO terminologies

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

Up-to-date scientific knowledge

Internationally agreed data aggregation for health

Health information for 150 years - comparable statistics – semantic interoperability

*WHO Nomenclature Regulations 1967, WHO constitution, World Health Assembly (WHA 72 2019)

WHO core classifications

ICD

International Statistical Classification of Diseases and related health problems –diagnoses, injuries, findings, primary care

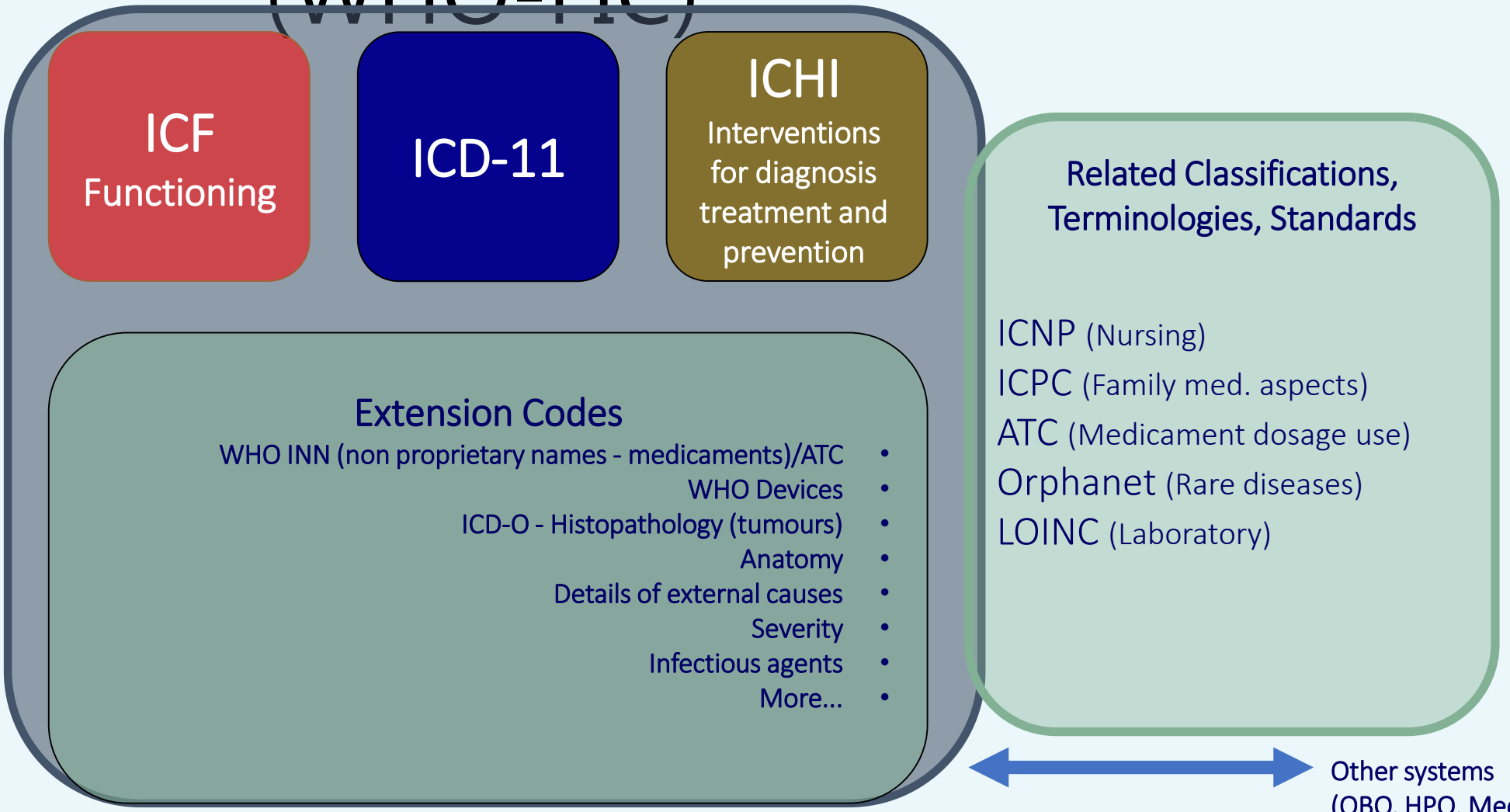
ICHI

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).

The WHO Family of International Classifications (WHO-FIC)



WHO-FIC
Information and Interoperability

Health Records
Surveillance
Death certificates

ICD — Diseases, health related conditions

ICF — Functioning, Disability

ICHI — Health interventions (individual and public health)

Population Health
Births
Deaths
Diseases
Disability
Risk factors

Clinical
Decision Support
Integration of care
Outcome
Guidelines

Administration
Scheduling
Resources
Billing

Reporting
Cost
Needs
Outcome
Epidemiology
Research

Designed for Multiple Uses

ICD-11 – more than diagnoses

Traditional Classes and Terminology

- 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

- Anatomy
- Laterality
- Infectious agents and AMR

- Histopathology (ICD-O)
- Chemicals and Medicaments (INN)
- Devices

- Mechanisms of harm (Safety)
- Activities
- Places
- Objects

ICD-11 – Clinical system

Codes and URI

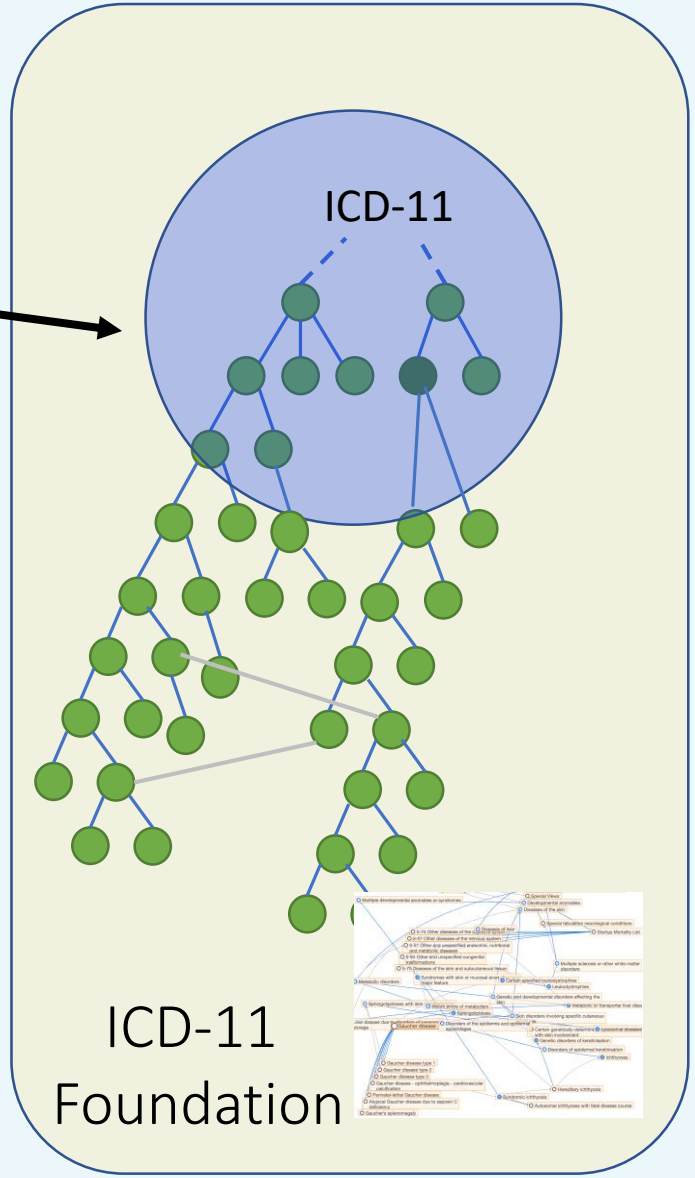
17.000 stat. categories (codes)

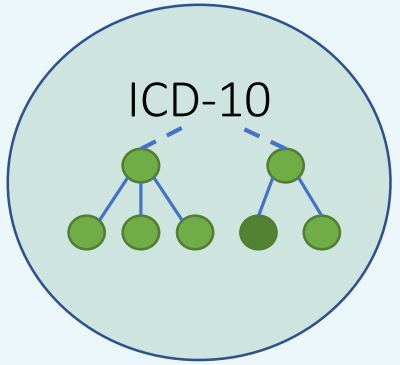
80.000 entities

URI and code combinations

120.000 terms

>1.600.000 terms with formalized postcoordination

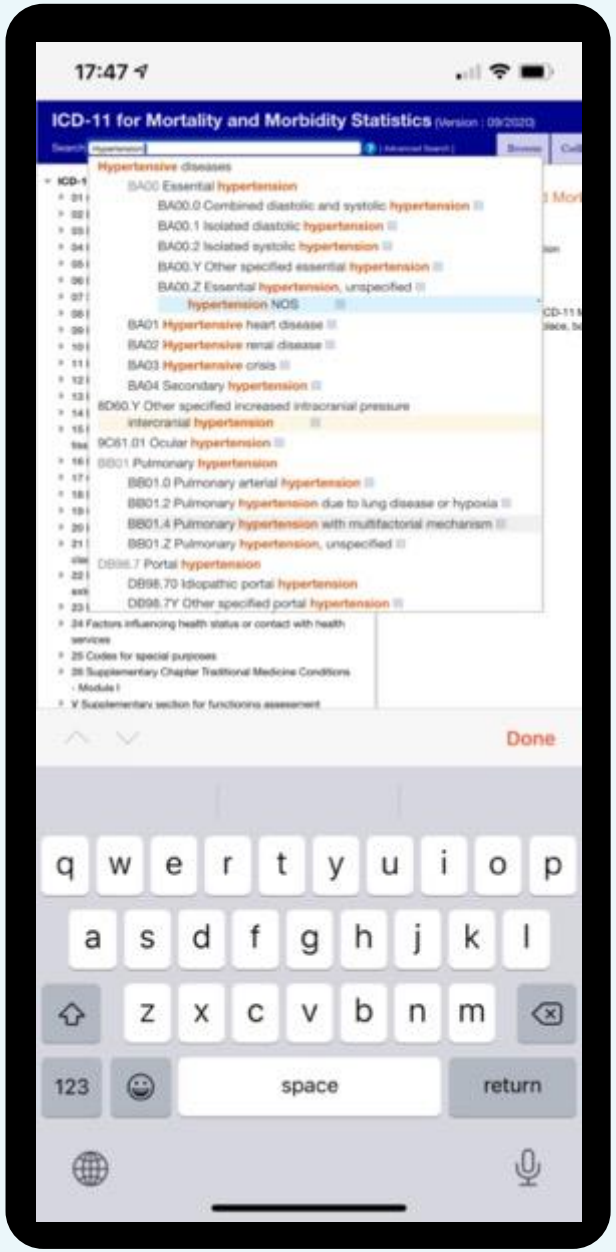


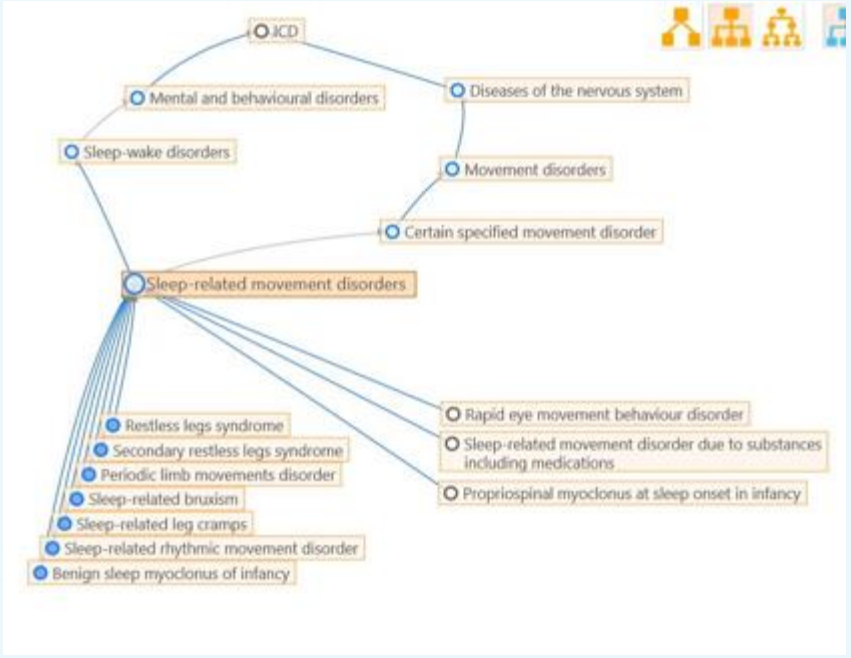


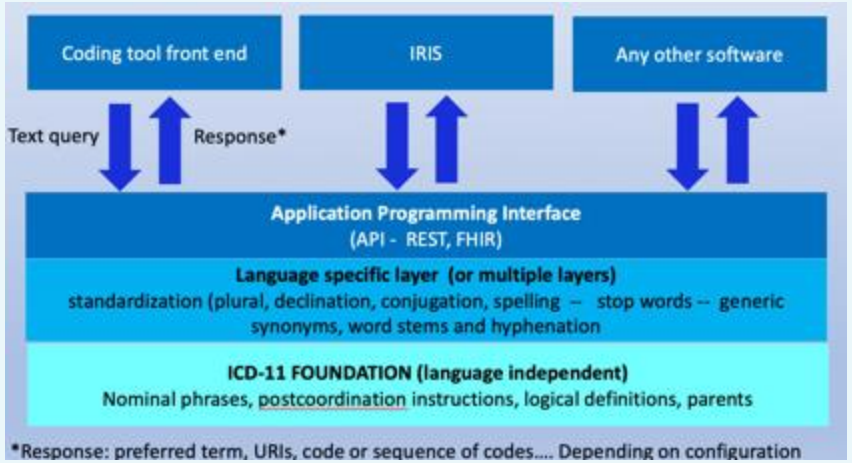
14000 categories
Separate text index
Separate rule base
Need terminology link
Outdated content

Statistical system used in clinical setting

ICD-11 Digital







Modern ontology

Fully digital

Application Programming Interface

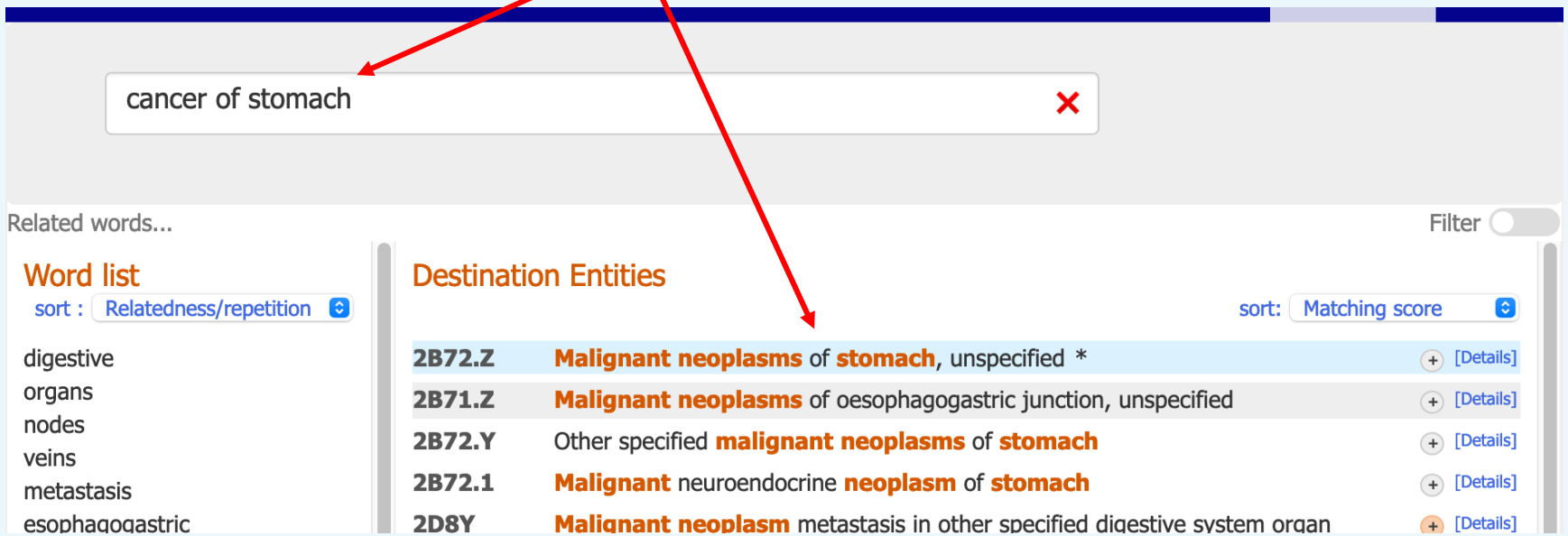
Software applications on all devices and OS

Portable: offline & online

Easy to use

Type a diagnostic statement into the Coding Tool

e.g. ***cancer of stomach***



The Coding Tool will find the best match

Coding options for “stroke”

8B11.0 Cerebral ischaemic stroke due to extracranial large artery atherosclerosis

8B11.1 Cerebral ischaemic stroke due to intracranial large artery atherosclerosis

8B11.2 Cerebral ischaemic stroke due to embolic occlusion

8B11.20 Cerebral ischaemic stroke due to cardiac embolism

Laterality (use additional code, if desired)

- XK9J Bilateral
- XK8G Left
- XK9K Right
- XK70 Unilateral, unspecified

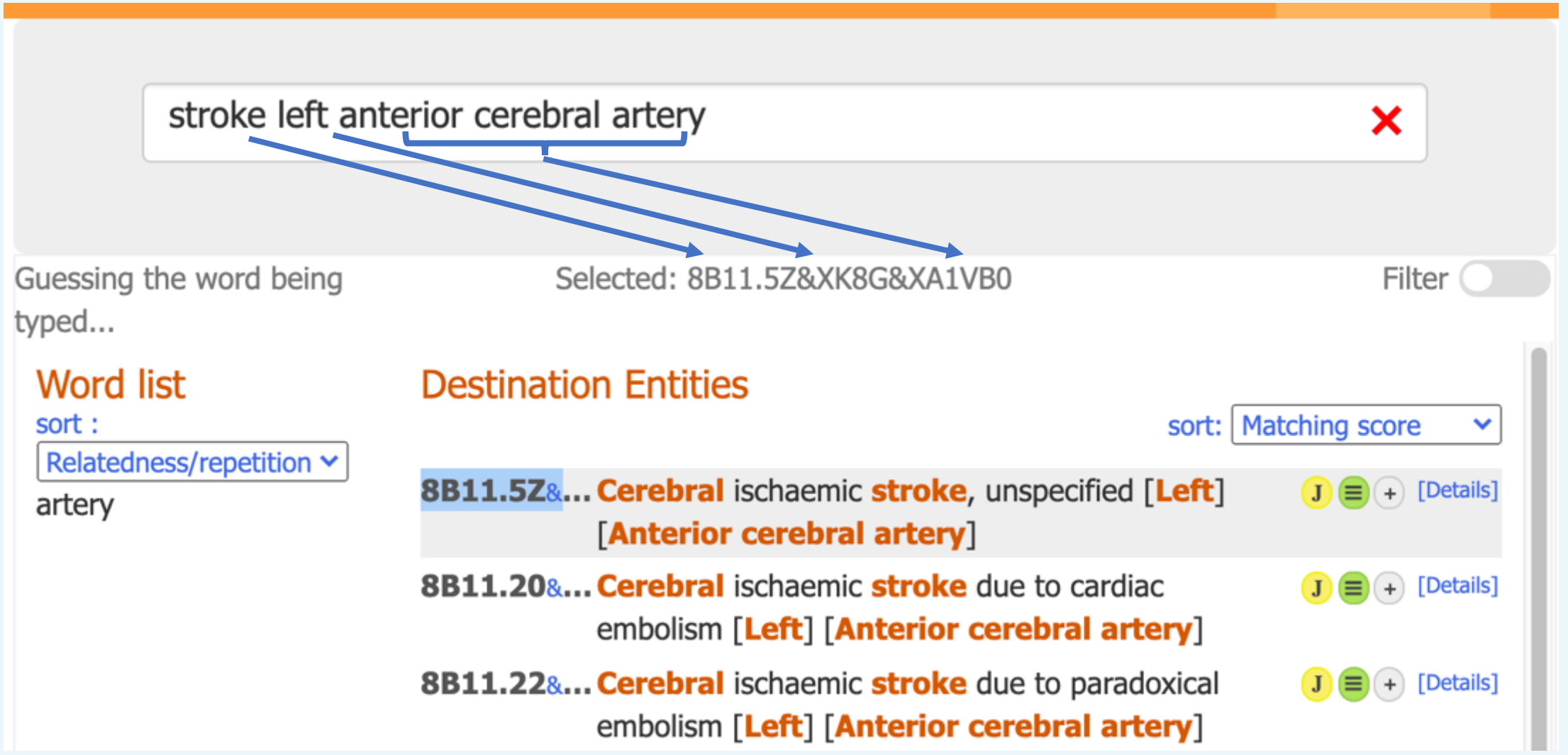
Specific anatomy (use additional code, if desired)

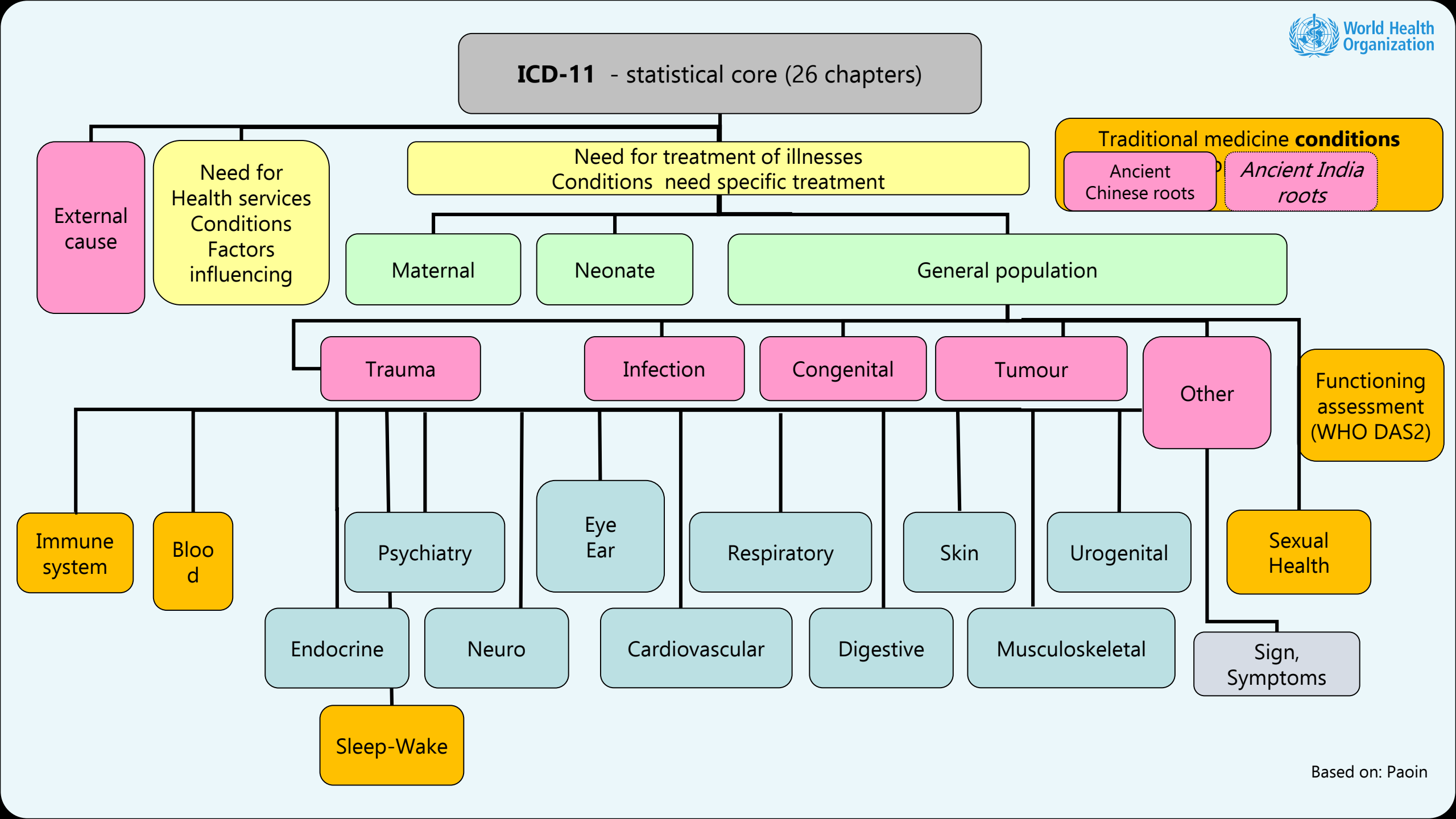
- XA13S2 Cerebral artery
- XA1VB0 Anterior cerebral artery
- XA2K99 Basilar artery
- XA3185 Pontine branches of the basilar artery
- …

Has manifestation (use additional code, if desired)

- …

Easy to use code combination If desired




ICD-11 - statistical core (26 chapters)
External cause
Need for Health services Conditions Factors influencing
Need for treatment of illnesses Conditions need specific treatment
Traditional medicine conditions
Ancient Chinese roots
Ancient India roots
Maternal
Neonate
General population
Trauma
Infection
Congenital
Tumour
Other
Functioning assessment (WHO DAS2)
Immune system
Bloo d
Psychiatry
Eye Ear
Respiratory
Skin
Urogenital
Sexual Health
Endocrine
Neuro
Cardiovascular
Digestive
Musculoskeletal
Sign, Symptoms
Sleep-Wake
Based on: Paoin

Multilingual

World Health Organization

Select language

ICD-11 for Mortality and Morbidity Statistics (Version : 05/2021) EN

Search hypertension [Advanced Search]

Browse | Coding Tool | Special Views | Info

ICD-11 - ICD-11 for 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
  - Hypertensive diseases
    - BA00 Essential hypertension
    - BA01 Hypertensive heart disease
    - BA02 Hypertensive renal disease
    - BA03 Hypertensive crisis
    - BA04 Secondary hypertension
    - KB45 Neonatal hypertension
  - Hypotension
  - Ischaemic heart diseases
  - Diseases of coronary artery
  - Pulmonary heart disease or diseases of pulmonary circulation
  - Pericarditis
  - Acute or subacute endocarditis
  - Heart valve diseases

Foundation URI : http://id.who.int/icd/entity/761947693

BA00 Essential hypertension

Parent

Hypertensive diseases

Show all ancestors

Description

Essential (primary) hypertension, accounting for 95% of all cases of hypertension, is defined as high blood pressure for which a secondary cause cannot be found.

Inclusions

- high blood pressure

Exclusions

- Cerebrovascular diseases (8B00-8B2Z)
- Background retinopathy and retinal vascular changes (9B78.1)

Coded Elsewhere

- Pre-existing essential hypertension complicating pregnancy, childbirth or the puerperium (JA20.0)

Postcoordination

Add detail to **Essential hypertension**

Has manifestation *(use additional code, if desired .)*

Foundation URI : http://id.who.int/icd/entity/761947693

BA00 Hipertensión esencial

Entidad padre

Enfermedades hipertensivas

Mostrar todos los ancestros

Descripción

La hipertensión esencial (primaria), que representa el 95% de todos los casos de hipertensión, se define como una presión arterial elevada que no es debida o secundaria a una causa detectable.

Inclusiones

- presión arterial alta

Exclusiones

- Enfermedades cerebrovasculares (8B00-8B2Z)
- Retinopatía de fondo y cambios vasculares retinianos (9B78.1)

Codificado en otra parte

- Hipertensión esencial preexistente que complica el embarazo, el parto o el puerperio (JA20.0)

Poscoordinación

Agregar detalles a **Hipertensión esencial**

Manifestación *(Use un código adicional, si lo prefiere.)*

Tools for Users

Coding	API- Integration with IT	Training (WHO-FIT)	Guides for implementation and use
Mappings to ICD-10	Causes of death	Casemix (development started)	ANACOD 3 – quality assessment of cause of death statistics
Software assisted selection cause of death (testing prototype)	Proposals	Translation	

A Patient's Path

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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

ICHI Code therapies

Data inform resource planning, DRG, service availability and epidemiology

Family members are checked for contagion

ICD-11 COVID-19 excluded

ICHI Code diagnostic test

Data inform epidemiology, coding, service availability

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

ICD-11 Code failure pump, no harm to patient

Data inform patient safety and quality monitoring, device safety monitoring, costing

Recovery requires physiotherapy

ICD-11 Code and assess functioning score

ICF Code specific functioning

ICHI Code physiotherapy

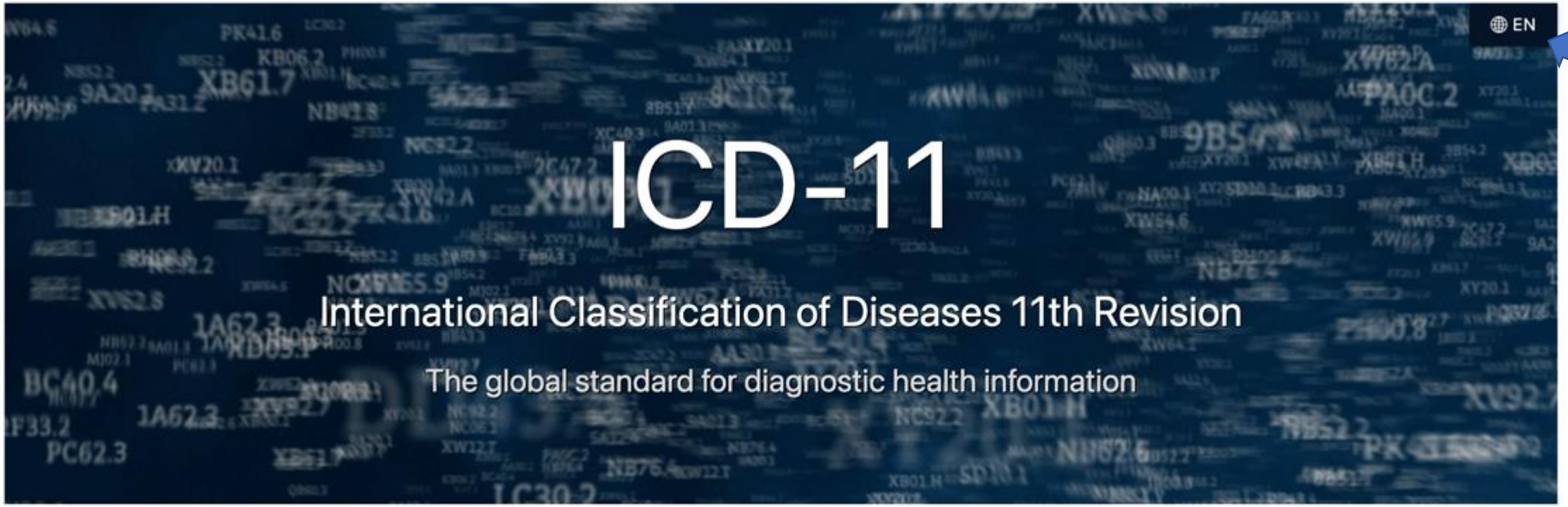
Data inform costing, DRG, service availability, resource planning, impact of services

Fitness has improved and the person is back to work

ICD-11 Code and assess functioning score

ICF Code specific functioning

Data inform social insurance, rehabilitation and reintegration



World Health Organization

Select languages

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 Video

Older versions
ICD-10 Browser

Be Involved

Our maintenance platform provides various ways to contribute

Comments
Proposals
Translations

Information and files online : http://icd.who.int

ICD-11 is already in use

Usecases

1. Primary care
2. Clinical care
3. Resource allocation/reimbursement
4. Cause of death
5. Patient safety documentation
6. Dermatology
7. Mental health

Languages

Arabic
Chinese
English
Spanish
French
Russian

+ 20 more on their way

Global Goods

Mandated by International Regulations

Improved and refined by

Global contributions and feedback

For comparable data, reliable easy use and interoperability

Webinars for introduction

https://icd.who.int