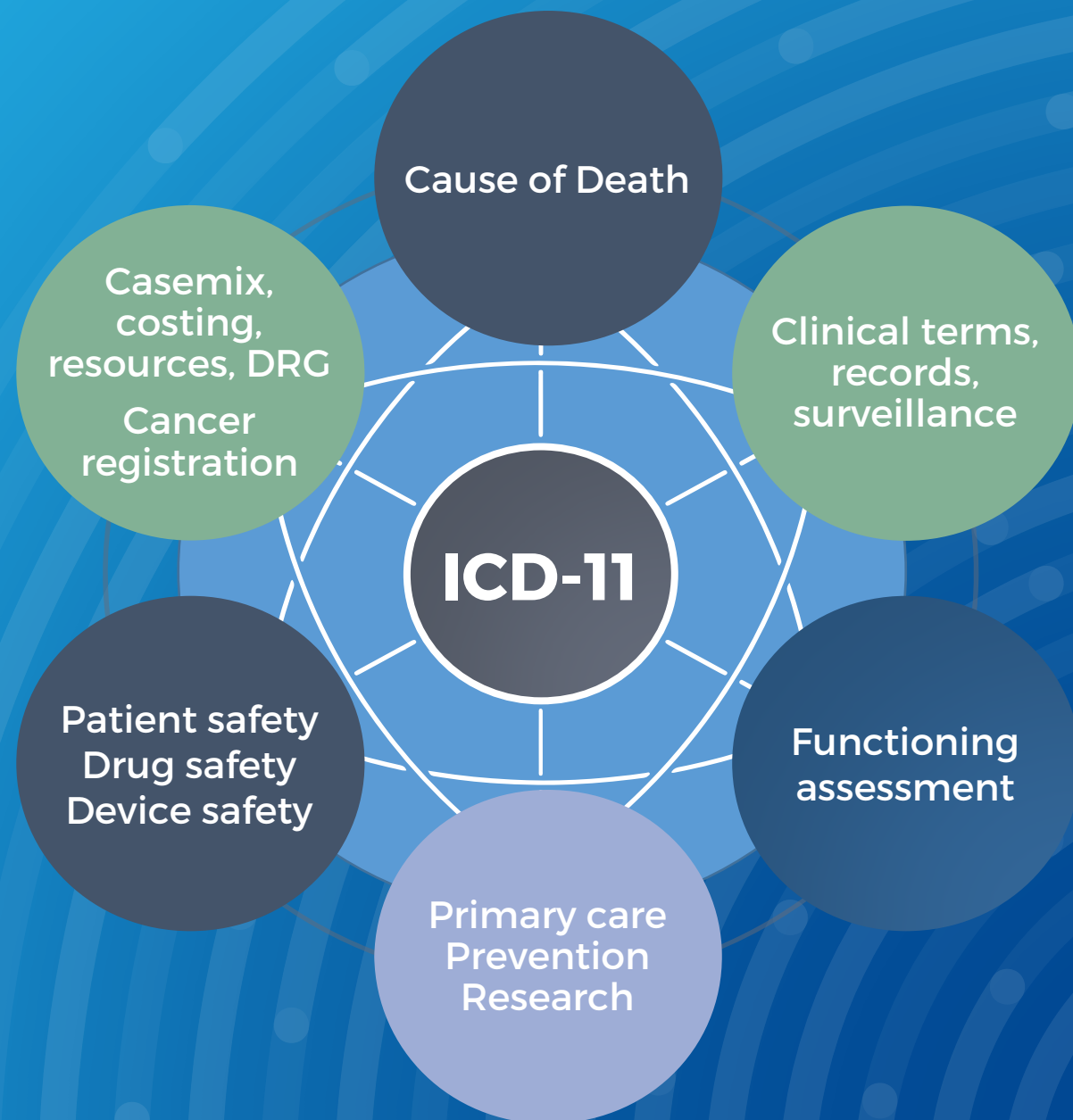


ICD-11

Robert Jakob, WHO HQ, Geneva

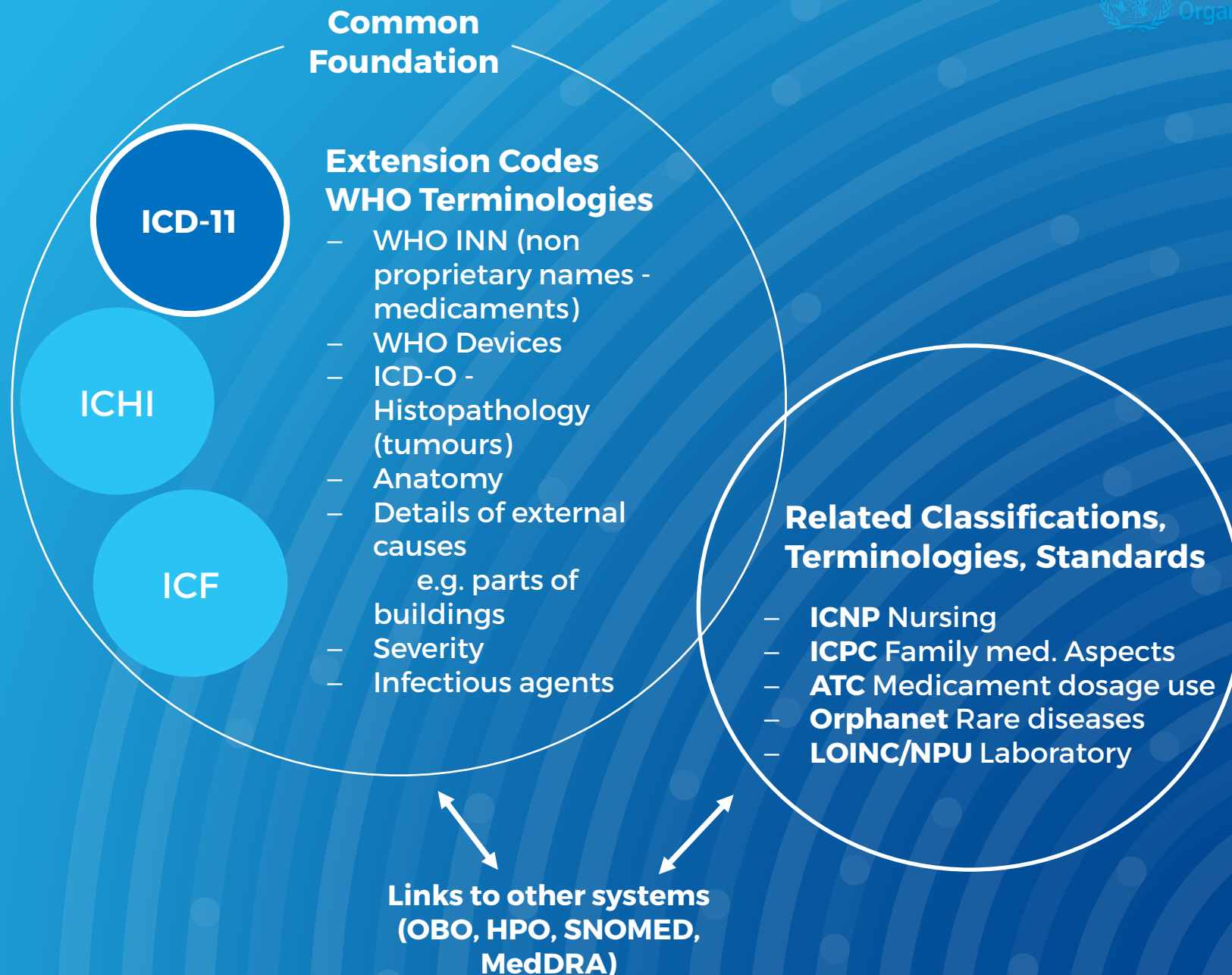
Multiple Uses

Useful information



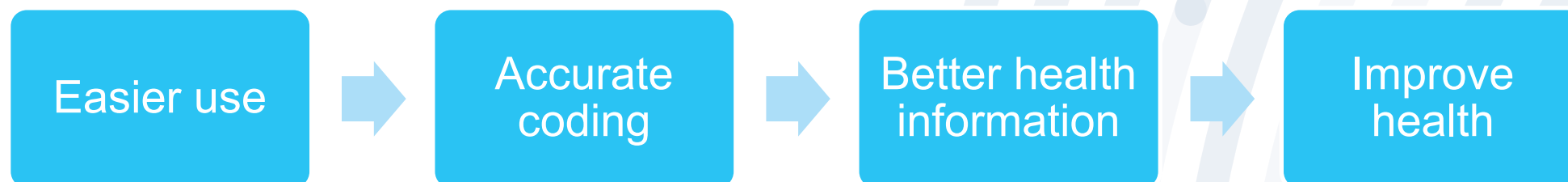
The WHO Family of International Classifications

Cover of all areas of health information



ICD-11 – Global Information Standard

- Legally mandated global and national health data standard – in effect from January 2022 (mortality and morbidity), adopted by all countries in 2019
- Independent of language and culture
- Clinically relevant and scientifically updated
- Integration of terminology and classification

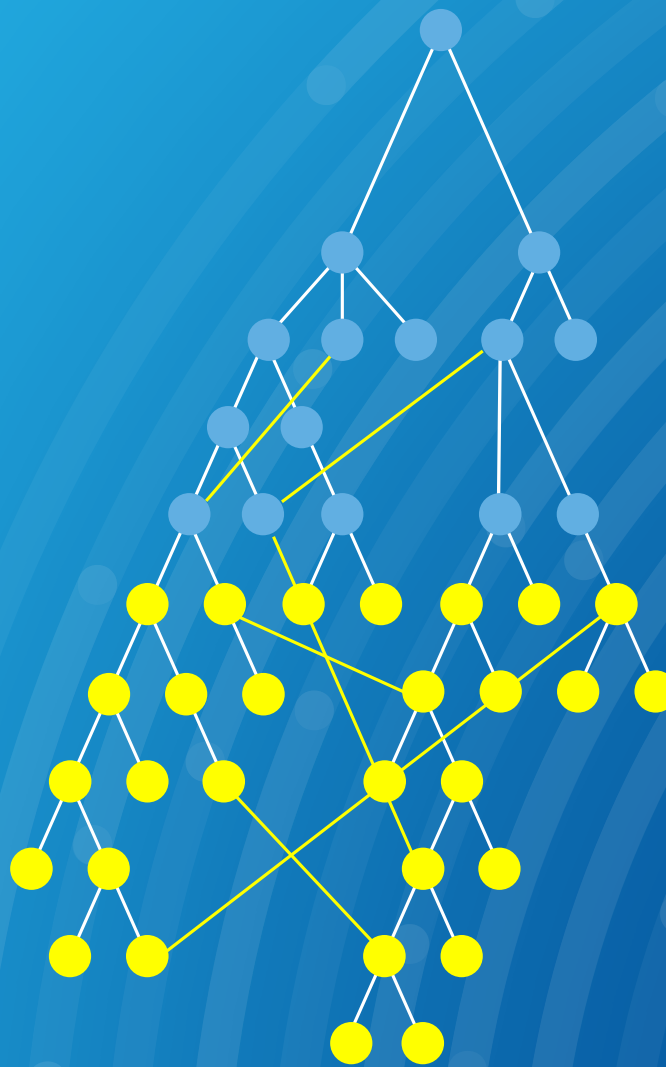


ICD-11

Clinical system for statistical use

- All desired clinical detail codable
- More detail beyond statistical categories (foundation in yellow)
- => improved motivation to report correctly

• MODERN
TECHNOLOGY



Codes and URI
Combinations:

17 000

stat. categories (codes)

80 000

entities

120 000

terms

>1 600 000

terms with formalized
postcoordination

Searchable in “Google
style” without training

WHOFIC Foundation

ICD+ICF+ICHI

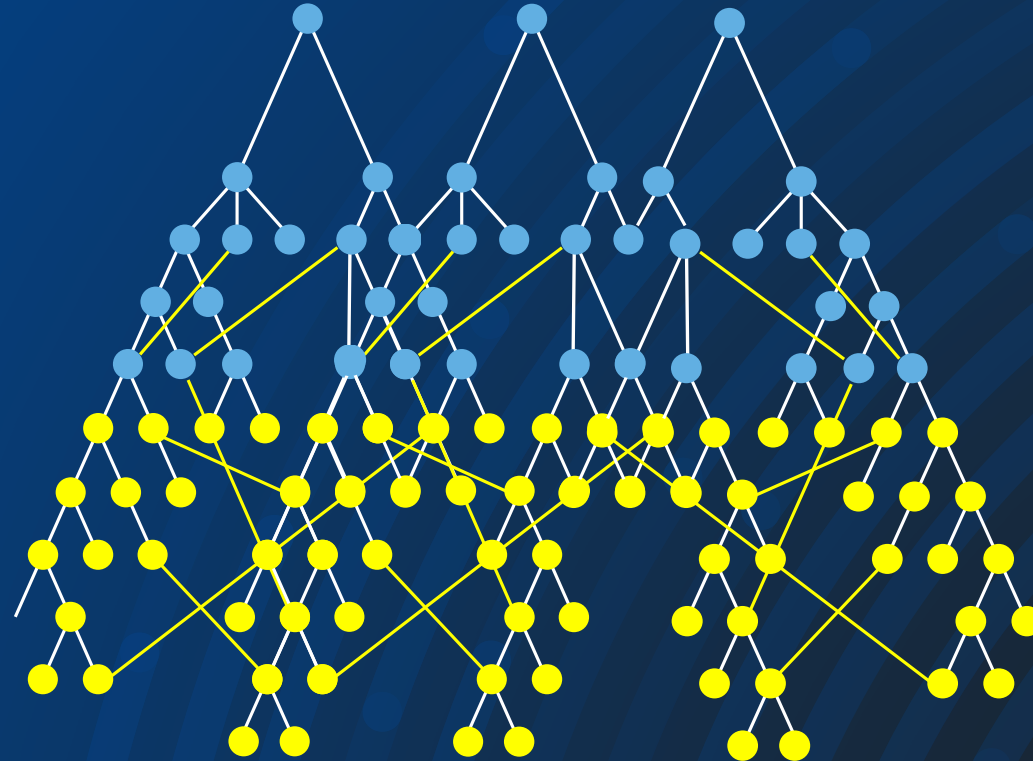
Clinical system for
statistical use

All desired clinical detail codable

More detail beyond statistical
categories (foundation in yellow)

=>improved motivation to report
correctly

MODERN TECHNOLOGY



Codes and URI
Combinations:

27 000

stat. categories (codes)

110 000

entities

170 000

terms

>2 000 000

terms with formalized
postcoordination

Searchable in “Google
style” without training

More than diagnoses

Classification and Terminology

Stem Codes

Diagnoses

Injuries

Signs

Symptoms

Findings

Reasons for encounter or health status

External causes of illness & death

Traditional Medicine conditions

Functioning assessment - WHO-DAS2

Terminology

Extension codes

Severity

Temporality

Anatomy

Laterality

Consciousness

Infectious agents and AMR

Histopathology (ICD-O)

Chemicals and Medicaments (INN)

Devices

Mechanisms of harm (Safety)

Activities

Places

Objects

More than diagnoses

Diagnosis code descriptors (examples)

Discharge diagnosis types

XY0Y Main condition

XY7B Main resource condition

XY6E Initial reason for encounter or admission

Diagnosis timing

XY6M Present on admission

XY69 Developed after admission

XY85 Uncertain timing of onset relative to admission

Diagnosis timing in relation to surgical procedure

Diagnosis method of confirmation

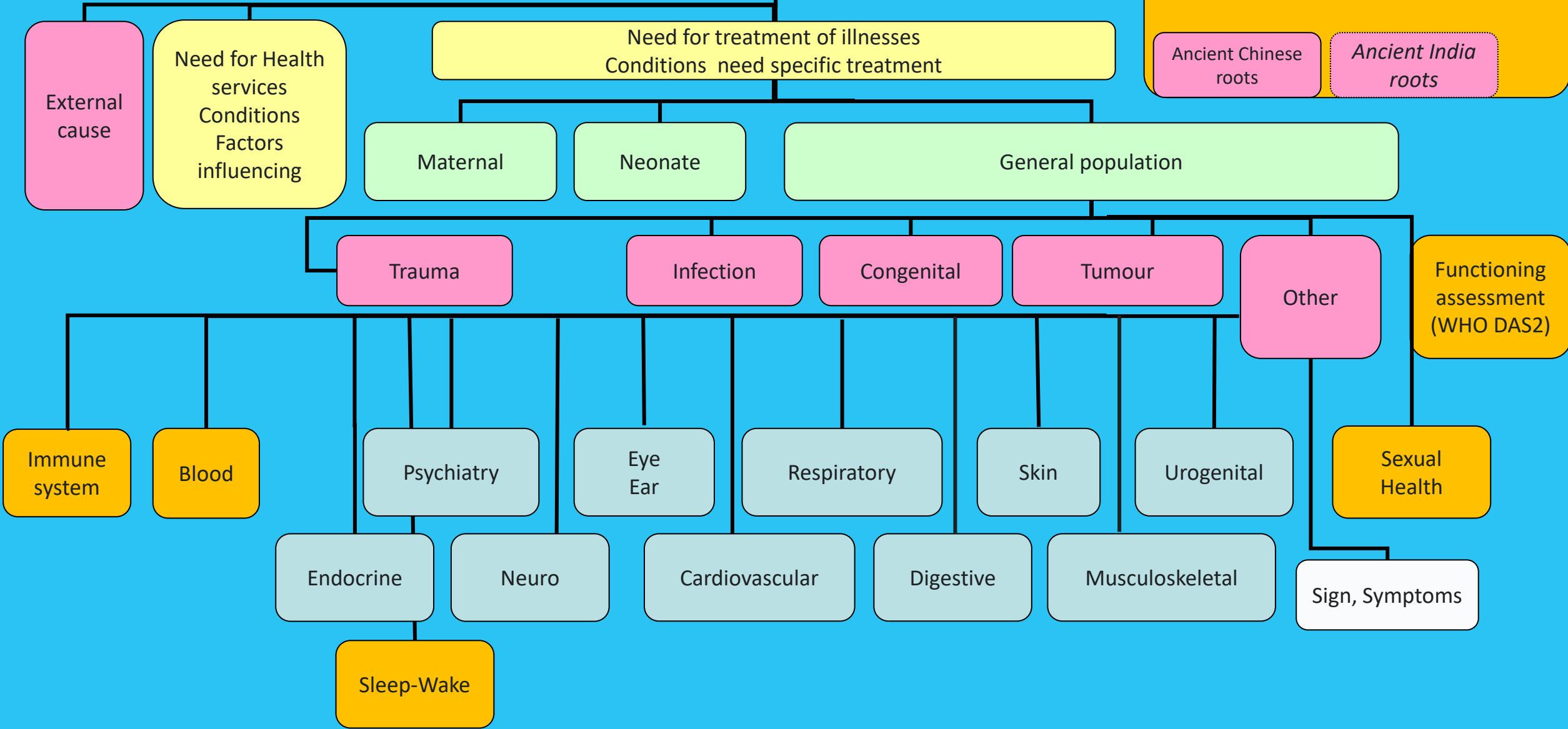
Diagnosis certainty

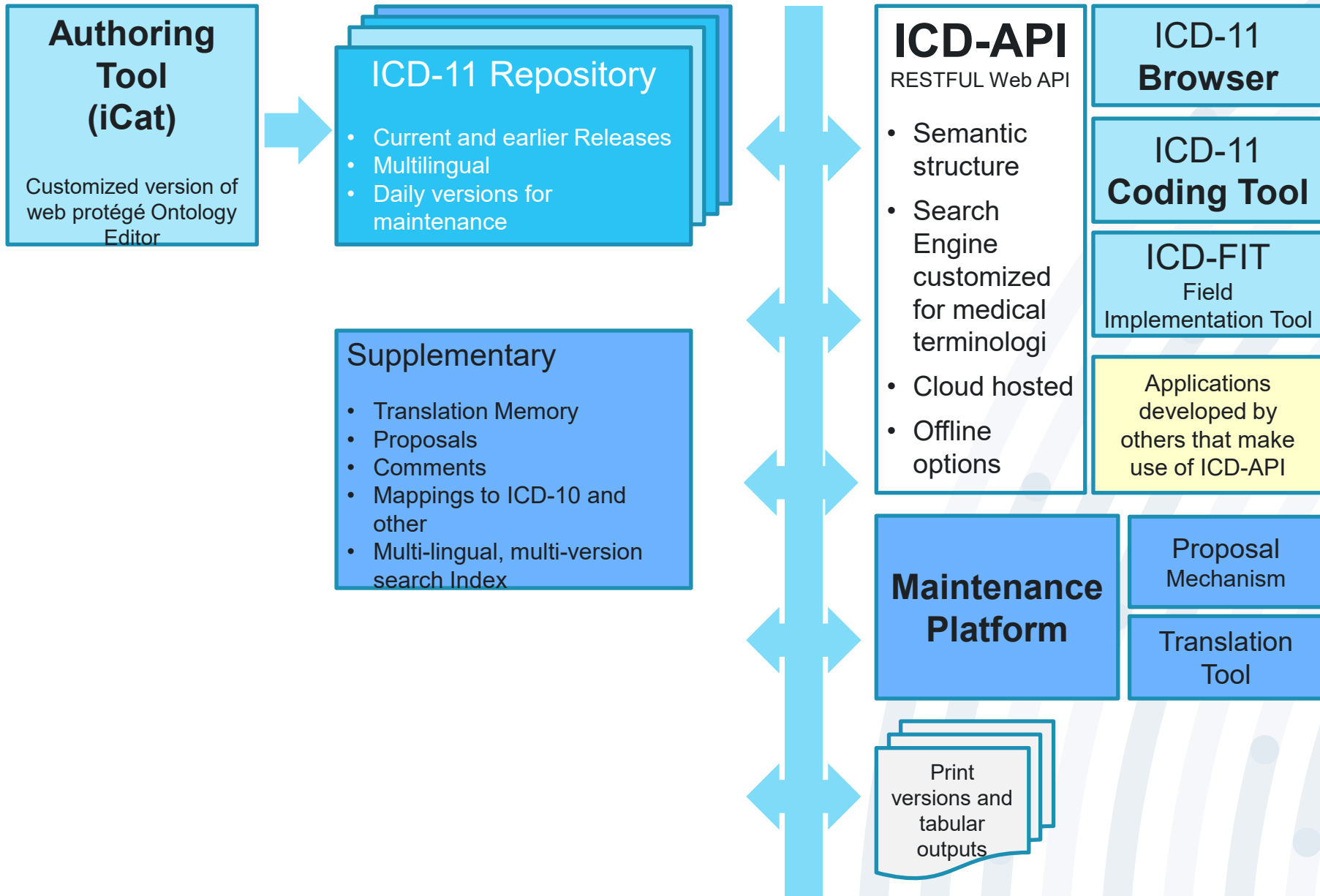
Obstetrical diagnosis timing

Encounter descriptors

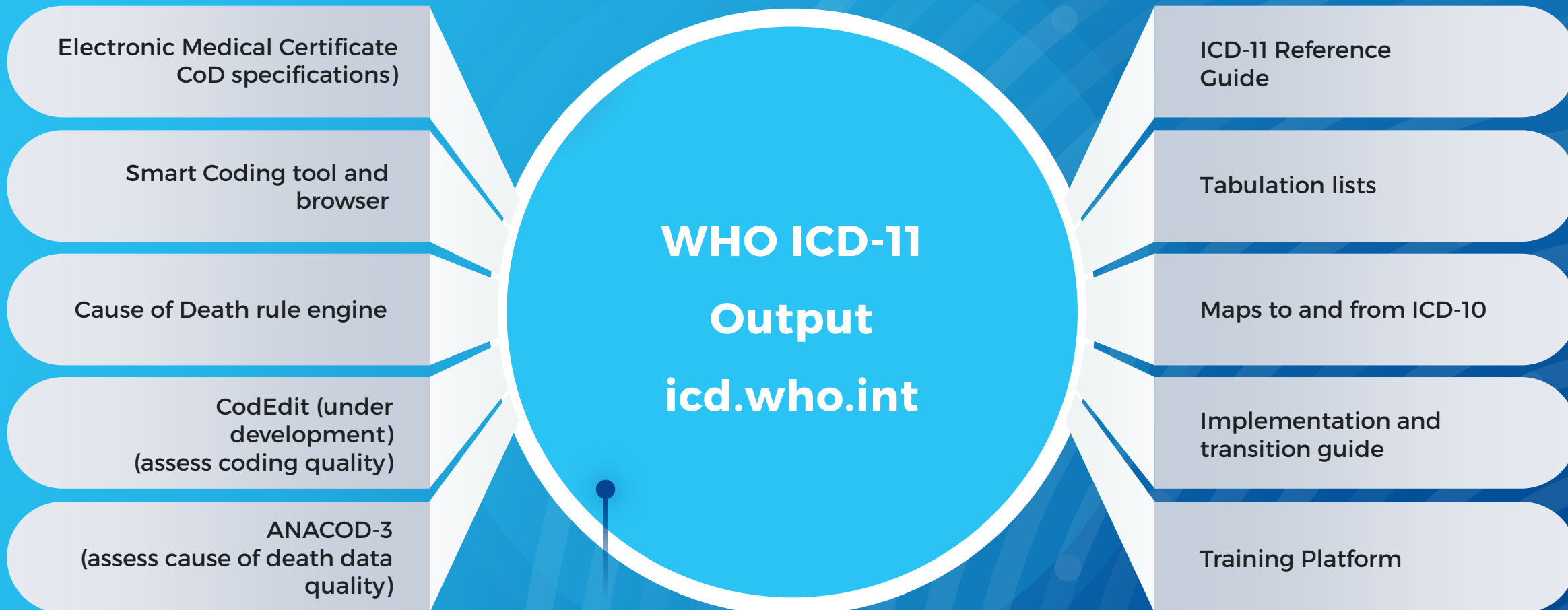
ICD-11 - statistical core (26 chapters)

Traditional medicine **conditions** (optional)
Ancient Chinese roots
Ancient India roots





IT Backbone of ICD-11, ICF, and ICHI



Review Groups and links

Check use and impact
(recording, mortality,
morbidity...)
about 300 directly involved
70 countries

ICD-11

For
people

By
people

Proposals for
updates
about 17200 proposals
already processed

Proposal Platform

State actors
Science
Other NGO
Individuals
20.000 users
99 countries

Ontology editor (iCAT)

Multiple relationships
Descriptors
Suggested code combinations
Unique identifiers (id.who.int)
134.000 terms
85.000 entities
NLP support than 1.6 million
Manual mode: many millions

用于死因与疾病统计的ICD-11 (版本 : 05/2021)

查找 2B90.00 [高级查找]

浏览 特殊视图 信息

✓ English

Arabic

Spanish

French

Chinese

➤ Arabic

➤ Spanish

➤ French

➤ Chinese

- ICD-11 - 用于死因与疾病统计的ICD-11
 - ▶ 01 某些感染性疾病或寄生虫病
 - ▼ 02 肿瘤
 - ▶ 脑或中枢神经系统肿瘤
 - ▶ 造血或淋巴组织肿瘤
 - ▼ 恶性肿瘤，淋巴组织、造血系统、中枢神经系统或相关组织的原发肿瘤除外
 - ▼ 述及或假定为原发性的特指部位恶性肿瘤，除外淋巴、造血、中枢神经系统或相关组织
 - ▶ 恶性间叶细胞肿瘤
 - ▶ 唇、口腔或咽部恶性肿瘤
 - ▼ 消化器官恶性肿瘤
 - ▶ 2B70 食管恶性肿瘤
 - ▶ 2B71 食管胃结合部恶性肿瘤
 - ▶ 2B72 胃恶性肿瘤
 - ▼ 肠恶性肿瘤
 - ▶ 2B80 小肠恶性肿瘤
 - ▶ 2B81 阑尾恶性肿瘤
 - ▼ 大肠恶性肿瘤
 - ▼ 2B90 结肠恶性肿瘤
 - ▼ 2B90.0 升结肠和结肠右曲恶性肿瘤

Foundation URI : <http://id.who.int/icd/entity/871442980>

2B90.00 升结肠或结肠右曲腺癌

父节点

2B90.0 升结肠和结肠右曲恶性肿瘤

显示所有上位词

描述

源于升结肠上皮和右结肠弯曲处的恶性肿瘤伴腺体分化。

后组配 ?

增加细节 升结肠或结肠右曲腺癌

具体解剖部位 (需要时, 使用附加编码)

XA6J68	盲肠
XA3AL5	升结肠
XA95L3	结肠肝曲

组织病理学 (需要时, 使用附加编码)

Foundation URI : <http://id.who.int/icd/entity/871442980>

2B90.00 Adenocarcinoma of ascending colon and right flexure of colon

Parent

2B90.0 Malignant neoplasm of ascending colon and right flexure of colon

Show all parents

Description

A malignant tumour with glandular differentiation arising from the mucosa of ascending colon and right flexure.

Postcoordination ?

Add detail to **Adenocarcinoma of ascending colon or right flexure of colon**

Specific anatomy (use additional code, if desired .)

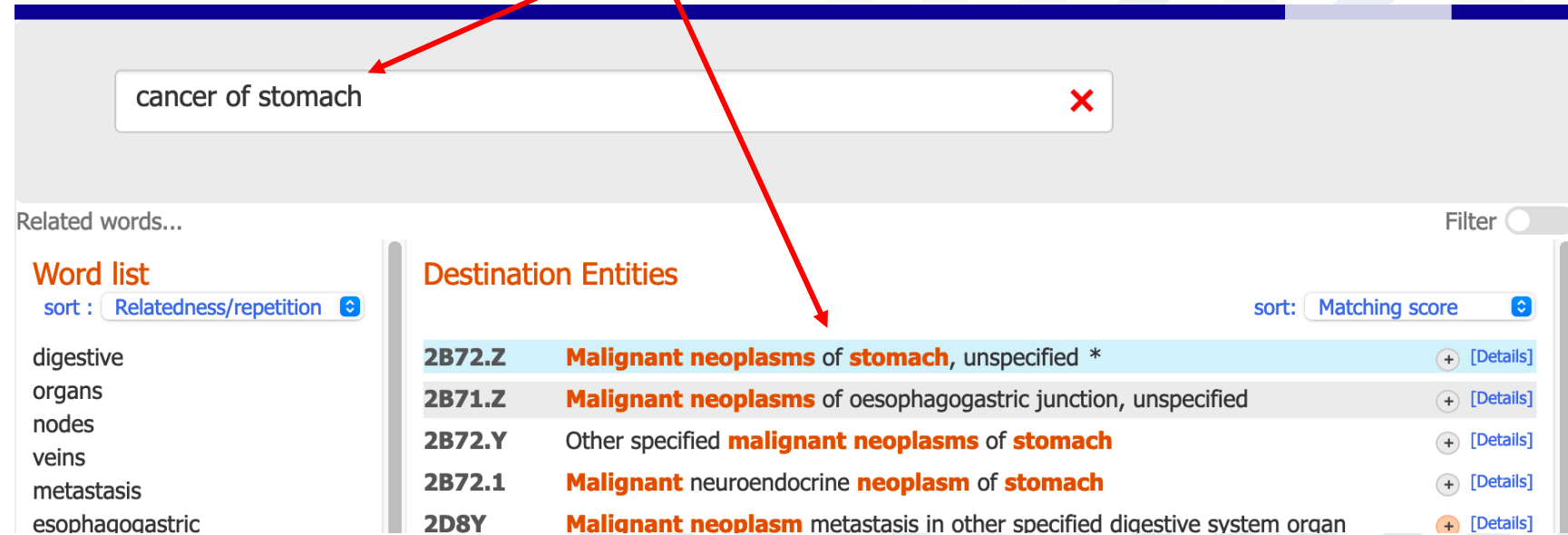
XA6J68	Caecum
XA3AL5	Ascending colon
XA95L3	Hepatic flexure of colon

- Russian available this year, Portuguese in progress (BRA MoH), 20 more under way

Type a diagnostic statement into the Coding Tool

Easy coding

e.g. *cancer of stomach*



The screenshot shows the WHO Coding Tool interface. At the top, a search bar contains the text "cancer of stomach" with a red 'X' icon to its right. Below the search bar, there are two main sections: "Related words..." and "Destination Entities".

Related words...

Word list
sort : Relatedness/repetition

- digestive
- organs
- nodes
- veins
- metastasis
- esophagoaastic

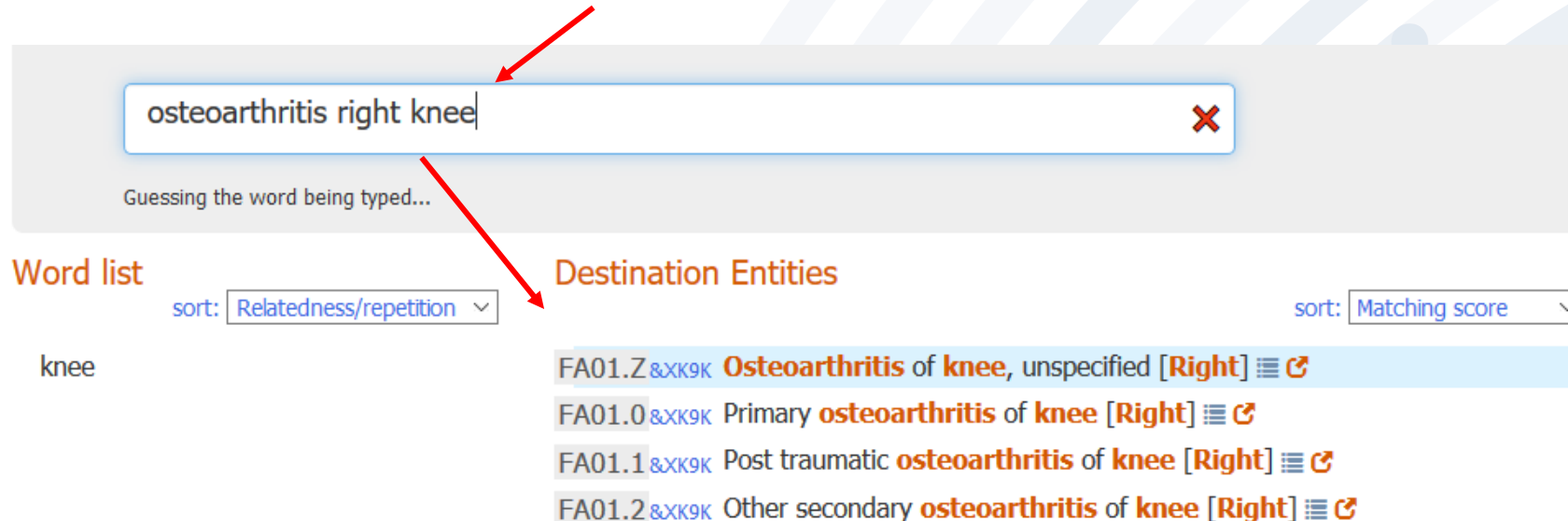
Destination Entities
Filter sort: Matching score

2B72.Z	Malignant neoplasms of stomach , unspecified *	+ [Details]
2B71.Z	Malignant neoplasms of oesophagogastric junction, unspecified	+ [Details]
2B72.Y	Other specified malignant neoplasms of stomach	+ [Details]
2B72.1	Malignant neuroendocrine neoplasm of stomach	+ [Details]
2D8Y	Malignant neoplasm metastasis in other specified digestive system organ	+ [Details]

The Coding Tool will find the best match

Easy to use

Type a diagnostic statement into the Coding Tool
e.g. *Osteoarthritis of right knee*

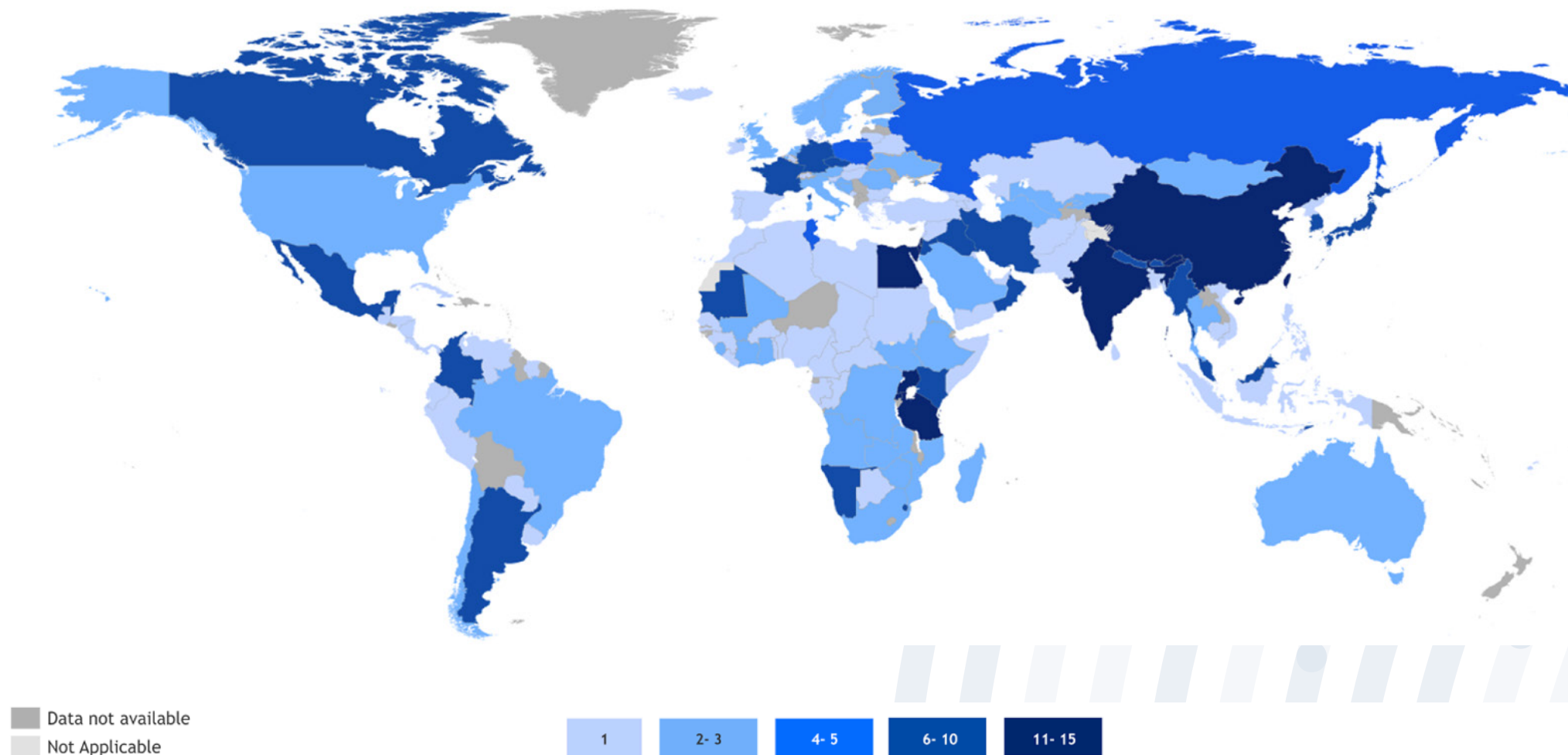


The screenshot shows the WHO Coding Tool interface. At the top, a search bar contains the text "osteoarthritis right knee" with a red 'X' icon to its right. Below the search bar, the text "Guessing the word being typed..." is visible. The interface is divided into two main sections: "Word list" on the left and "Destination Entities" on the right. The "Word list" section has a "sort:" dropdown menu set to "Relatedness/repetition" and shows the word "knee". The "Destination Entities" section has a "sort:" dropdown menu set to "Matching score" and displays a list of four codes with their descriptions and icons for details and external links:

- FA01.Z &XX9K **Osteoarthritis** of **knee**, unspecified [**Right**] ⓘ Ⓞ
- FA01.0 &XX9K Primary **osteoarthritis** of **knee** [**Right**] ⓘ Ⓞ
- FA01.1 &XX9K Post traumatic **osteoarthritis** of **knee** [**Right**] ⓘ Ⓞ
- FA01.2 &XX9K Other secondary **osteoarthritis** of **knee** [**Right**] ⓘ Ⓞ

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

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 yet be full agreement.

icd.who.int

ICD-11

International Classification of Diseases 11th Revision

The global standard for diagnostic health information

Arabic

Chinese

English

French

Russian

Spanish

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](#)

Instructions for
offline use



Implementation
aspects to
consider



WHO-FIC Maintenance Platform

Browse - daily updates

- Foundation
- ICD-11 MMS
- ICD-11 Coding Tool
- ICF
- ICHI
- ICHI Coding Tool
- Other Linearizations

Proposals Add Proposals | See in hierarchy or list

- ICD-11
- ICF
- ICHI
- ICD-11 Reference Guide

Translation Platform - Assists the translation process.
Access to registered translators only, license only with MoH

Download Area contains files that are updated frequently based on the changes made in the classification such as:

- print versions
- simplified tabular versions
- proposal summary outputs

Guides

- User Guide for the Maintenance Platform
- Reference Guide (unreleased content)
- ICD-11 Reference Guide
- ICHI Reference Guide
- Training Videos

ICD-11 for Mortality and Morbidity Statistics (Version : 02/2022)

Search [Advanced Search]

- Browse
- Coding Tool ?
- Special Views
- Info

- 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
 - 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

ICD-11 for Mortality and Morbidity Statistics

- User Guide
- Print Versions
- ICD-11 Reference Guide
- Spreadsheet File
- ICD-10 / ICD-11 mapping Tables
- ICD-11 Maintenance, Contributions, Proposals
- ICD Home Page
- Earlier releases and Update history

How to use the browser

How to use ICD, WHOFIC

Codes for primary tabulation

Maps between ICD10 and ICD-11 Classifications and WHO-FIC Network

ICD-11

Reusable health information

Minimise documentation load imposed on health providers -
improve level of documentation – save costs



<https://icd.who.int>

icd@who.int