# دوره آشنایی مقدماتی با 11-CD

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# بسم الله الرحمن الرحيم

## Two different platforms

#### ICD-11 Maintenance Platform

- The classification seen on this is not the released version of the classification.
- The content in this platform may change on an ongoing basis

#### ICD-11 For Mortality And Morbidity Statistics (ICD-11 MMS)

- The code structure for the ICD-11 MMS is stable.
- Updating mechanism is in place, based on the proposals submitted on maintenance platform

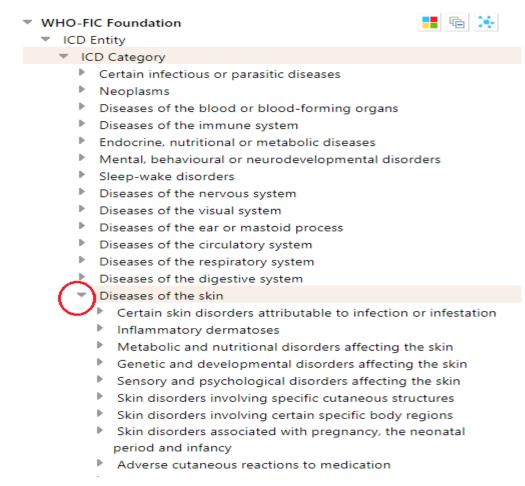
## 25 Chapter

#### ICD-11 for Mortality and Morbidity Statistics

= 5

- 01 Certain infectious or parasitic diseases
- 02 Neoplasms
- 03 Diseases of the blood or blood-forming organs
- 04Diseases of the immune system
- 05 Endocrine, nutritional or metabolic diseases
- 06 Mental, behavioural or neurodevelopmental disorders
- 00 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
- 17) Conditions related to sexual health
- ▶ 18 Pregnancy, childbirth or the puerperium
- 19 Certain conditions originating in the perinatal period
- 20 Developmental anomalies
- 21 Symptoms, signs or clinical findings, not elsewhere classified
- 22 Injury, poisoning or certain other consequences of external causes
- 23 External causes of morbidity or mortality
- 24 Factors influencing health status or contact with health services
- 25 Codes for special purposes
- 26 Supplementary Chapter Traditional Medicine Conditions Module —
- V Supplementary section for functioning assessment
- X Extension Codes

### **Browsing Using The Hierarchy**



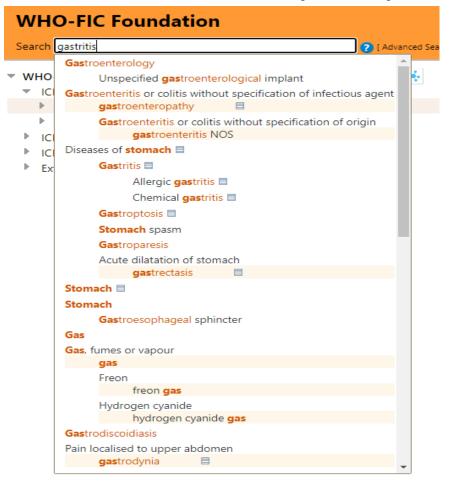
You could use the butto 🖭 to close all of the open branches and return back to the top level hierarchy

#### **Use of Arabic or Roman Numerals In Subtypes**

- Arabic numbers should be used at all times.
- This will be the option for citing chapters (e.g. Chapter 19 Instead Of Chapter XIX).

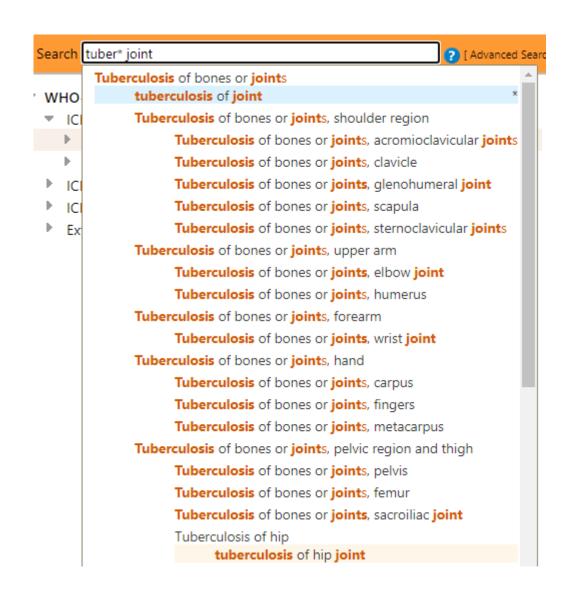
#### **Quick Search**

- Dynamic dropdown list
- It searches the titles, inclusions, synonyms and narrower terms

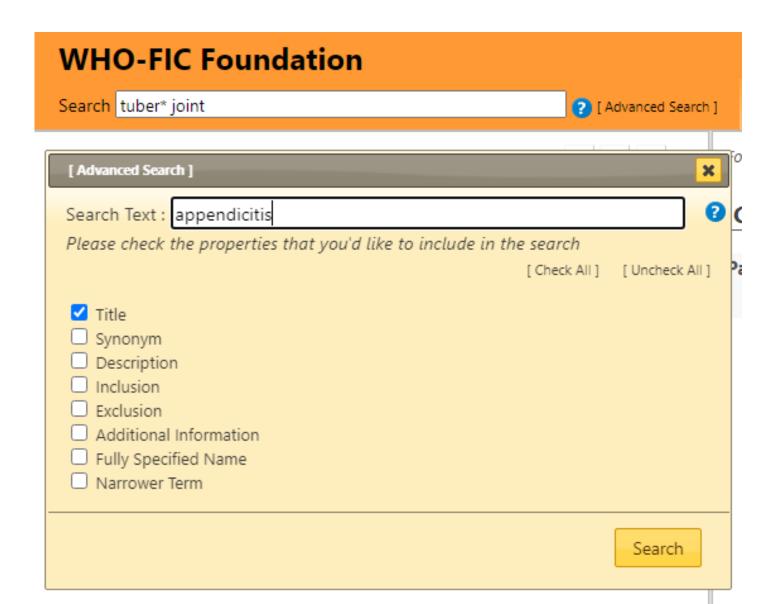


#### Wildcards

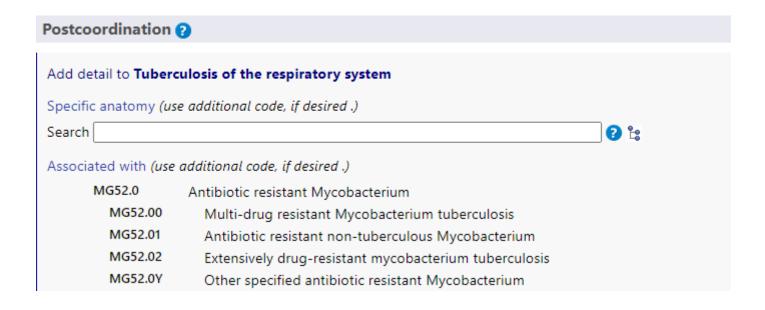
To find similar wordse.g. Tuber\* joint



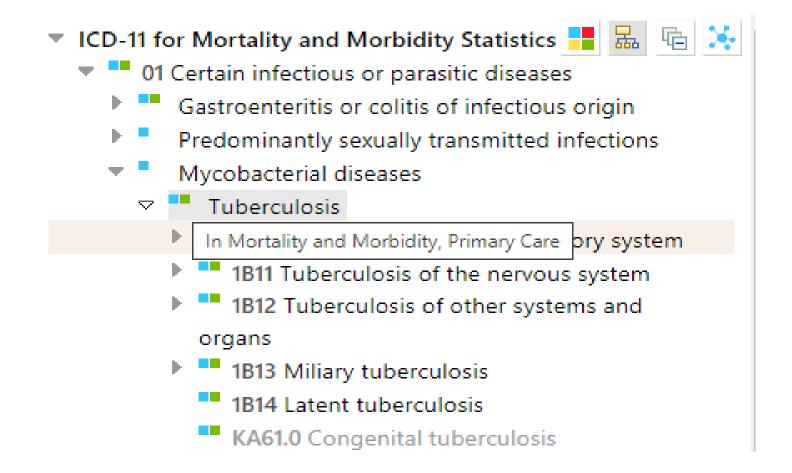
#### **Advanced Search**



#### Help icon



#### **Tooltips**



#### **Coding Scheme**

- The codes are alphanumeric
- the range  $\longrightarrow$  1A00.00 to ZZ9Z.ZZ
- Categories now has 4 characters. And there are 2 level of subcategories.
- The coding scheme always has a letter in the second position to differentiate from the codes of ICD-10

Acute appendicitis with localized peritonitis

ICD-11 DB10.01

ICD-10 K35.1

#### **Coding Scheme**

- The first character of the code always relates to the chapter number.
- It may be a number or a letter

Chapter	Code Number
1-9	1-9
10-26	A-S
Supplementary section for functioning	V
Extensions codes	X

- The code range of a single chapter always has the same character in the first position.
- No use of "I" and "O" in the code numbers

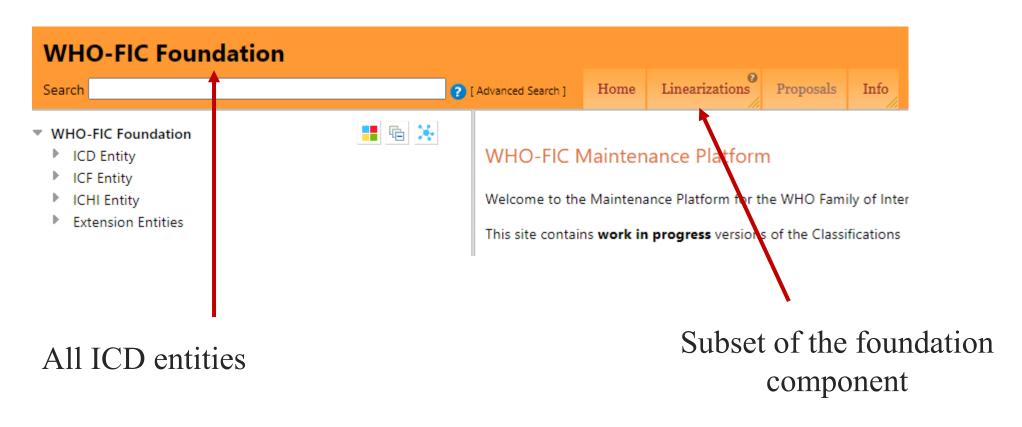
#### ICD-11 Term

## **Explanation**

Foundation	Underlying data base content that holds all information
Linearization	Content of specific purpose
Stem code	Codes that can be used alone A meaningful minimum of information Example: gastritis — DA42
Extension code	More detail than is included in a stem code. They can never be used without a stem code, but are used together to define the full detail of a condition  Example: acute ——XT5R
Cluster coding	Stem codes can be post-coordinated, or jointly used together, with extension codes or with other stem codes to fully describe one diagnosis  Example: acute gastritis — DA42&XT5R

#### Changing what to browse

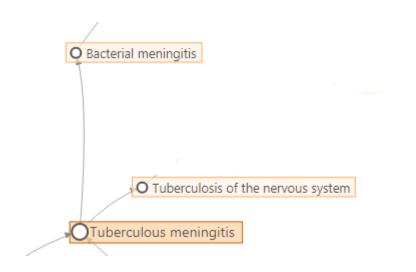
Switch the view to the foundation or any other linearization



#### Multiple Parenting: primary and secondary parents

- Are not necessarily mutually exclusive
- Allow multiple parenting (i.e. an entity may be in more than one branch)
  - e.g. tuberculosis meningitis is both an infection and a brain disease

Gray letter place of secondary parent



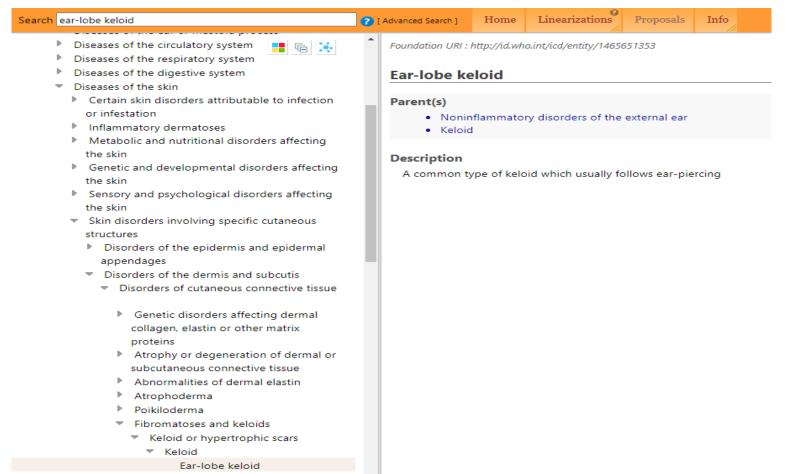
#### The ICD entities in the foundation component

- The hierarchy of ICD-11 is defined the same as it was in pervious versions of ICD
- Multiple parenting was introduced to enable specific extracts of the Tabular list for medical specialties or for specific use cases.

- For example: malignant neoplasm of the skin
- Located in the chapter for neoplasms
- It was also defined in the skin chapter

#### Example: EE60.00 Ear-lobe keloid

- Primary parent: "keloid" from chapter 14 Disease of the skin
- Secondary parent: "Non inflammatory disorders of external ear"
   from chapter 14 Disease of the ear and mastoid process



#### The ICD Linearization

- A Linearization is a subset of the foundation component
- Fit for a particular purpose: reporting mortality, morbidity or other uses
- Composed of entities that are mutually exclusive of each other
- Each entity is given a single parent
- Linearizations are similar to the classical print versions of ICD
   Tubular list

#### **Linearization Information Icons**

Button shows witch entities are located in witch Linearization

 The blue icon shows that the entity is included in the ICD-11 for mortality and morbidity statistics

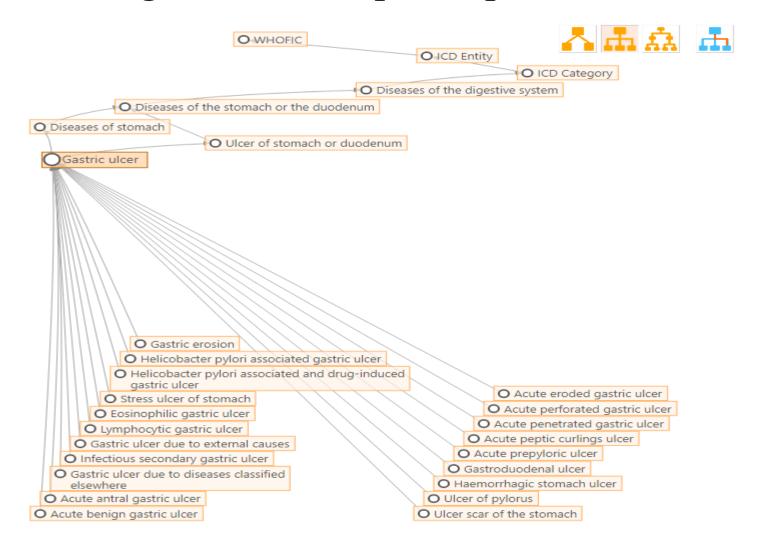
• The yellow icon shows that the entity is included in the primary care high resource setting Linearization

• The green icon shows that the entity is included in the primary care low resource setting Linearization

#### Visualization



Clicking the button opens up the visualization view.



#### Visualization Icons



This mode will let you see:

- The selected entity
- Its parents
- Its children



This is the default mode and it will let you see:

- The selected entity
- All of its ancestors up to the classification root
- Its children
- fhis mode will let you see:
- The selected entity
- All of its ancestors up to the classification root
- Its children
- All ancestors of all children



- This button can be used in conjunction with one of the other buttons.
- If used, the system will show you the foundation but highlighting the linearization within the foundation using various colors and styles so that you can easily see Which entities are in the linearization. Which are not. Which of the parents is the linearization parent etc.

#### Precoordination And Postcoordination, Cluster Coding

- A health condition may be described to any level of detail, by applying more than one code, or by 'postcoordinatinig' (i.e. combining):
  - Two or more stem codes, (i.e. code/codes)
  - Stem codes with one or more extension codes (i.e. stem code & extension code & extension code 2)

• In this manner, the classification can addresses a large number of clinical concepts with a limited range of categories

#### Postcoordination in the ICD-11 browser

- Will be activated in linearization view
- Allows adding more detail to a category
- Different types of information cane be added to different entities
- e.g. 2B72.0 Adenocarcinoma of stomach

Adding anatomy XA56K Gastric fundus

2B72.0&XA56K7

Adding Histopathology — XH7QZ0 Adenocarcinoma in adenomatous polyp

2B72.0&XA56K7&XH7QZ0

#### Displaying / Searching value sets of post-coordination

- If the value set is small, the browser will show all possible values with their codes
  - e.g. Laterality



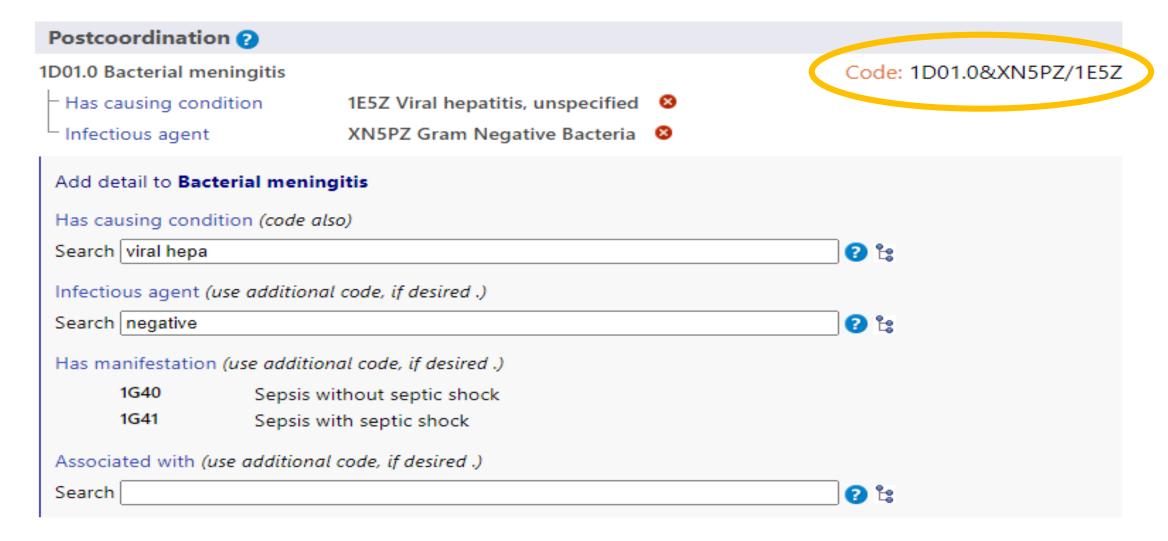
#### **Diagnostic Requirements**

#### Searching value sets

- If the value set is large, one can search the value sets by typing in the search box
- Or browse this sub-hierarchy using the icon

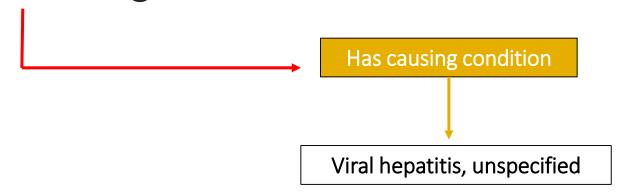


#### Building code string



#### Example

- Bacterial meningitis due to viral hepatitis
  - Bacterial meningitis → 1D01.0
  - Viral hepatitis  $\longrightarrow$  1E5Z
- Bacterial meningitis



Code: 1D01.0/1E5Z

#### Example

- Measles resulted in viral pneumonia
  - measles  $\longrightarrow$  1F03
  - Viral pneumonia CA40.1Z
- Measles
   Has manifestation

Viral pneumonia

Code: 1F03.0/CAA0.1Z

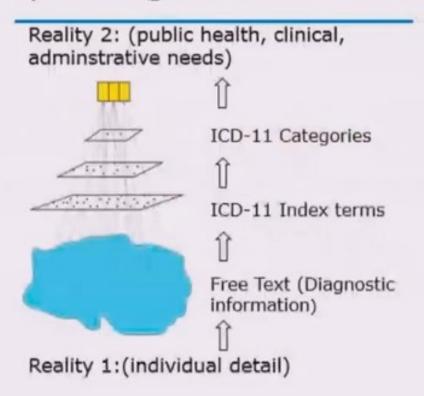
# ICD-11, Coding Tool

## **ICD-11**

International Classification of Diseases for Mortality and Morbidity Statistics Eleventh Revision



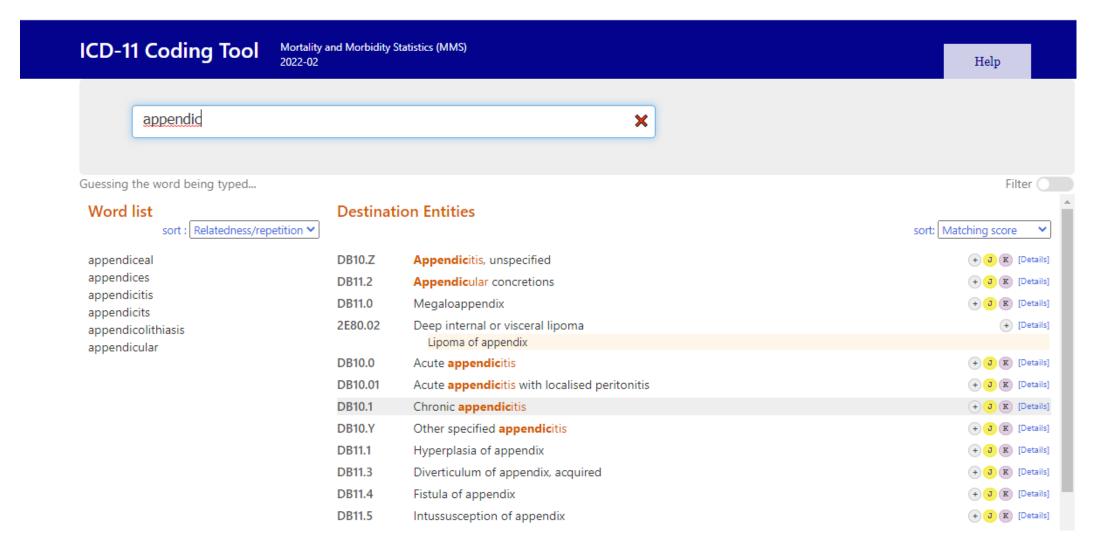
#### ICD-11 capturing detail of health information



# Home Page



# As You Type



### Sorting the word list

Two option

Relatedness / repetition

Alphabetical

### Sorting the destination entities

Two option

Matching score

Classification order

#### Icons or symbol in the coding tools

- Postcoordination is available for this entity
- Postcoordination is mandatory for this entity
- Coding note is available for this entity
- There is/are related category/categories in maternal chapter for this entity
- There is/are related category/categories in perinatal chapter for this entity

#### **Showing The Details**

#### [Details]

Matching terms

Related categories in maternal or perinatal chapter

postcoordination

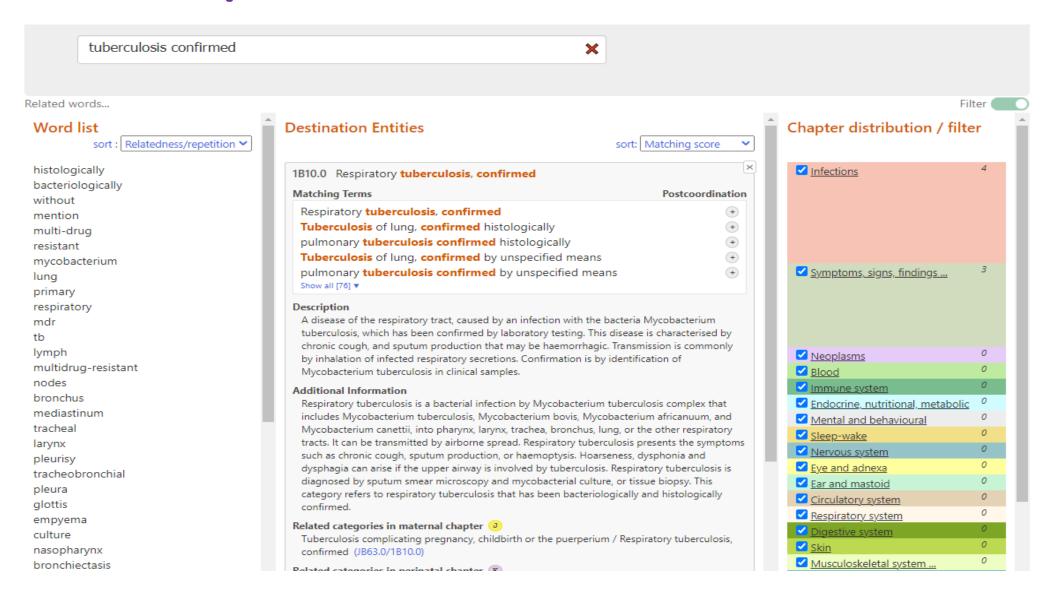
#### Integrated browser



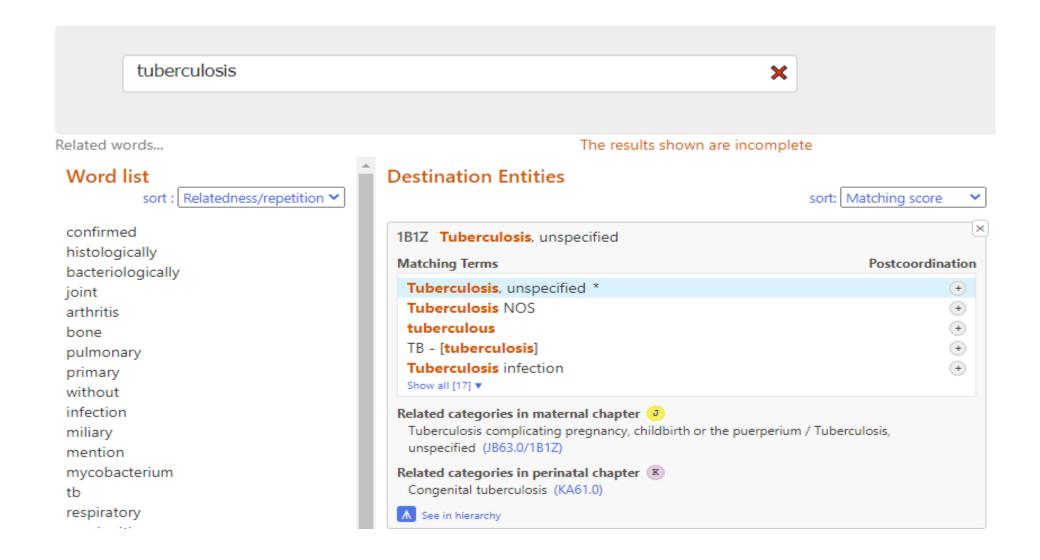
When the entity details are displayed, clicking on the this icon

opens the ICD-11 browser within the coding tool

## Chapter Distribution / Filter



#### Postcoordination



#### **Building A Code String**

- io pioeases or the digestive system
- 14 Diseases of the skin
- ▼ 15 Diseases of the musculoskeletal system or connective tissue
  - Arthropathies
  - Conditions associated with the spine
  - Soft tissue disorders
  - ∇ Osteopathies or chondropathies
    - ▼ FB80 Certain specified disorders of bone density or structure

FB80.0 Fibrous dysplasia of bone

FB80.1 Skeletal fluorosis

FB80.2 Osteitis condensans

FB80.3 Hyperostosis of skull

FB80.4 Osteosclerosis

FB80.5 Solitary bone cyst

#### FB80.6 Aneurysmal bone cyst

FB80.7 Malunion of fracture

FB80.8 Nonunion of fracture

FB80.9 Delayed union of fracture

FB80.A Stress fracture, not elsewhere classified

FB80.B Pathological fracture, not elsewhere classified

LD24.K0 Osteogenesis imperfecta

FB80.Y Other specified disorders of bone density and structure

