

The practical application of ICD-11 in occupational health

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Sources of Occupational Health Data

- Compensation systems
- Labour Force Surveys
- Industry/Employer surveys
- Mandatory reporting
- Cancer registries
- Administrative data
- Voluntary Surveillance systems



Occupational disease is like a Swiss mountain



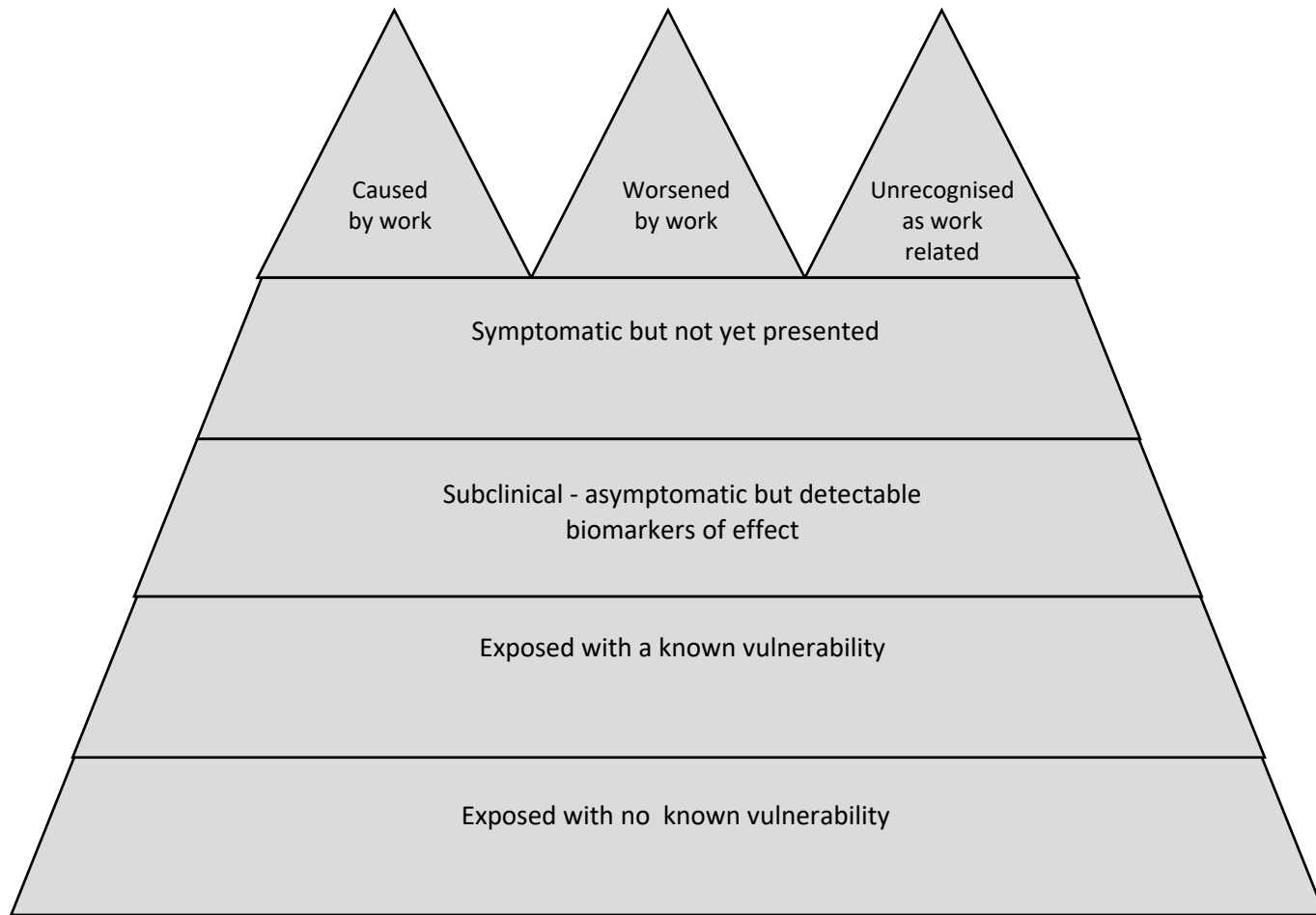
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Recognition and reporting:

“The three peaks of occupational disease”



How can ICD-11 help?

Coding Flexibility

- Pre-coordination of diseases and their codes as occupational
- Post-coordination of diseases as occupational +/- causal agent

E.g. Occupational allergic asthma ICD-11 Code: CA23.0/QD84

Coding Note


When a specified harmful effect of a substance or substances is known, code to the specific condition.



CA23.0 Allergic asthma

Parent

CA23 Asthma

Show all ancestors 

Description

Allergic asthma is the most easily recognised asthma phenotype, which often commences in childhood and is associated with a past and/or family history of allergic disease such as eczema, allergic rhinitis, or food or drug allergy. Examination of the induced sputum of these patients before treatment often reveals eosinophilic airway inflammation. The main trigger is the exposure to inhaled allergens, such as dust mite and pollens, to which the affected individual has previously been sensitized. Patients with this asthma phenotype usually respond well to inhaled corticosteroid (ICS) treatment and specific allergen-immunotherapy.

Postcoordination ?

CA23.0 Allergic asthma

Code: CA23.0/QD84

└ Associated with

QD84 Occupational exposure to risk-factors 

Add detail to **Allergic asthma**

Associated with *(use additional code, if desired .)*

Search  

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

XS5W	Mild
XS0T	Moderate
XS25	Severe



Example: ILO 1.1.25 Diseases caused by Thallium or its compounds

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

[Advanced Search]

Browse

Coding Tool

Special Views

Info

effects of corrosive substances

PB35 Unintentional exposure to or harmful effects of halogen derivatives of aliphatic or aromatic hydrocarbons

PB36 Unintentional exposure to or harmful effects of other or unspecified substances chiefly nonmedicinal as to source

▶ Unintentional exposure to other mechanism

PB6Y Other unintentional cause of morbidity or mortality

PB6Z Unspecified unintentional cause of morbidity or mortality

▶ Intentional self-harm

▶ Assault

▶ Undetermined intent

▶ Exposure to extreme forces of nature

▶ Maltreatment

▶ Legal intervention

▶ Armed conflict

▶ Causes of healthcare related harm or injury

PL2Y Other specified external causes of morbidity or mortality

PL2Z External causes of morbidity or mortality, unspecified

▶ 24 Factors influencing health status or contact with health services

▶ 25 Codes for special purposes

▶ 26 Supplementary Chapter Traditional Medicine Conditions - Module I

▶ V Supplementary section for functioning assessment

▶ X Extension Codes

Foundation URI : <http://id.who.int/icd/entity/911708419>

PB36 Unintentional exposure to or harmful effects of other or unspecified substances chiefly nonmedicinal as to source

Parent

Unintentional exposure to or harmful effects of substances chiefly nonmedicinal as to source

Show all ancestors

Postcoordination

PB36 Unintentional exposure to or harmful effects of other or unspecified substances chiefly nonmedicinal as to source

Code: PB36&XM63C5&XE545&XE7T4

Chemical agent	XM63C5 Thallium
Activity when injured	XE545 Paid work
Place of occurrence	XE7T4 Industrial or construction area

Add detail to **Unintentional exposure to or harmful effects of other or unspecified substances chiefly nonmedicinal as to source**

Chemical agent (use additional code, if desired .)

Search

Activity when injured (use additional code, if desired .)

Search

Place of occurrence (use additional code, if desired .)

Search

Release Notes

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Potential for linkage

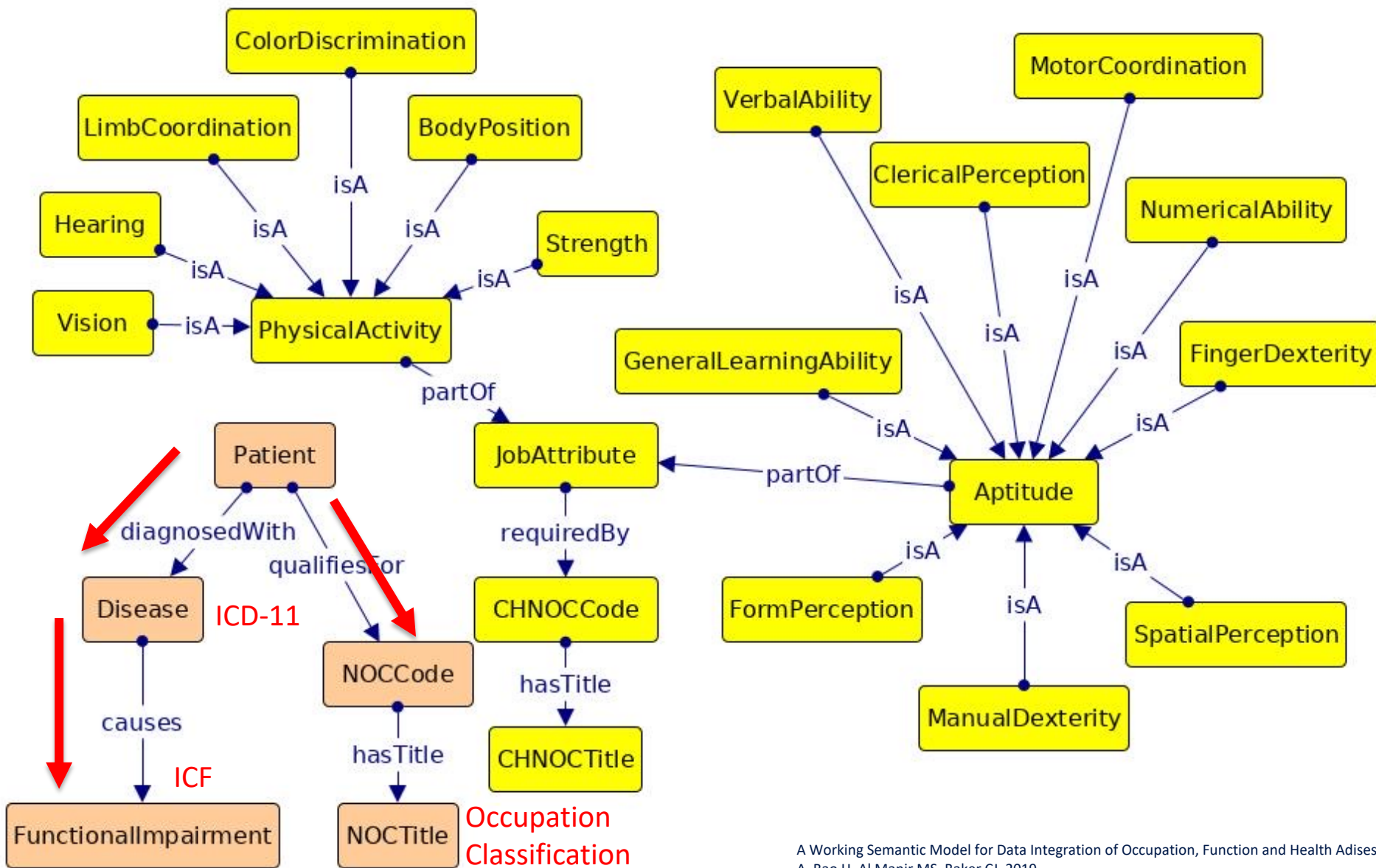
Electronic Medical Records

Other WHO classifications

National Occupational Classifications

National / jurisdictional lists of occupational diseases





A Working Semantic Model for Data Integration of Occupation, Function and Health Adishes A, Bao H, Al Manir MS, Baker CJ. 2019



ICD-11 International Classification of Diseases 11th Revision

The global standard for diagnostic health information <https://icd.who.int/en>

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

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▼ 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
- ▶ 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

ICD-11 for Mortality and Morbidity Statistics (ICD-11 MMS)

Version for preparing implementation

Release Notes

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



Questions/Discussion



Thank You.

