Latest developments in ICD-11
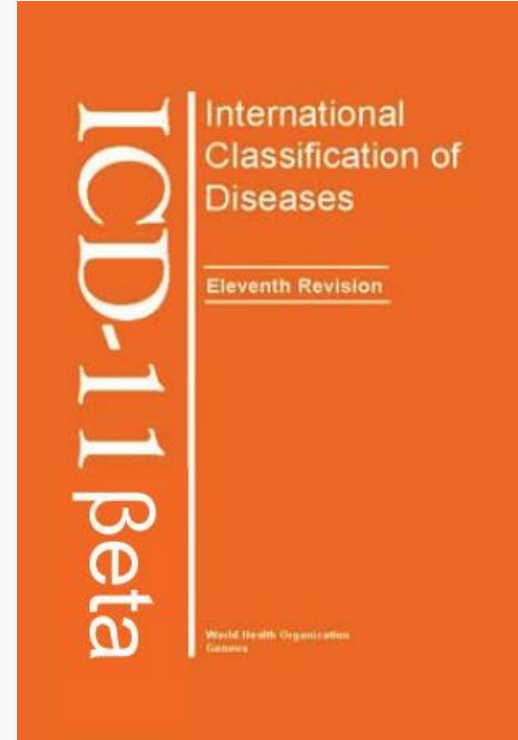
CHKS Clinical Coding and Data Quality Conference
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Information and technology
for better health and care

presented by Jayne Harding & Vicky Tudge
Terminology & Classifications Delivery Service

Overview of presentation

- Benefits and overview of ICD-11
- Testing, Field trials and initial findings
- Current status
- Open discussion – what you think this means for you?

Benefits of ICD-11

- Better reflects current knowledge
- Provides enhanced coding possibilities
- Interoperability with health information systems
- Available online
- Better suit the various user needs/ multiple use cases
- Content model based
- Better linkage with other classifications/terminologies
- Available in multiple languages

International Classification of Diseases

Eleventh Revision

ICD-11 Beta

World Health Organization
Geneva

ICD-11 Mortality and Morbidity Statistics (MMS)

– Used for coding and reporting illnesses or causes of death for international comparison

– 27 chapters, new chapters including

- Disorders of the immune system

- Sleep-Wake disorders

- Conditions related to sexual health

- Traditional Medicine

- Extension codes

Stem and extension codes

- Stem code
  - Up to 6 characters in length
  - Categories are 4 characters in length
  - Final characters Y and Z equivalent to '.8 other specified', and '.9 unspecified'

CA23.12 Non-allergic asthma, uncomplicated

- Extension code
  - Appear in chapter 27
  - 12 characters in length
  - Can never be used alone

XH900837741 Adenocarcinoma, NOS

Pre- and Postcoordination, Cluster

- Pre-coordination
  - Stem code with all information required
- Post-coordination
  - Combine codes to give the amount of detail required
    - Stem code with stem code(s)
    - Stem code with extension code(s)
- Cluster coding
  - Grouping of post-coordinated codes
  - Separated by a '/' or '&'

Post-coordination example (/)

Diabetic retinopathy in type 2 diabetes

9B71.0Z/5A11

Post-coordination example 2 (&)

Small cell carcinoma of left upper lobe of bronchus

2C75.1&XA277246160&XK271422288

The importance of testing ICD-11

- A key component of the strategy for evaluating the ICD-11 revision and informing its implementation

- Field trial objectives:
  - Test fitness of ICD-11 for multiple purposes (mortality coding, morbidity coding, etc.)
  - Identify improvements, increase consistency and fix errors
  - To ensure the stability and comparability between ICD-10 and ICD-11
  - Ensure ICD-11 is an improvement on ICD-10
  - Allow users to get acquainted with the classification
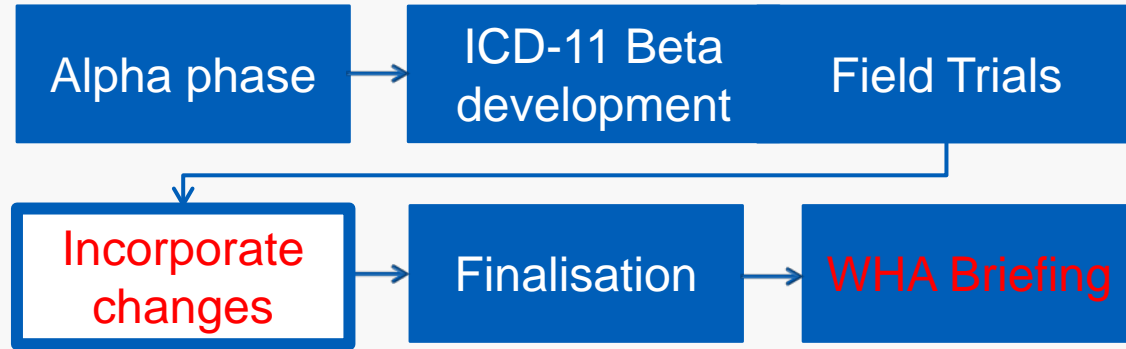
Testing performed to date

- Chapter reviews
  - Ensure structural integrity and consistency of the classification both across chapters and within chapters

- Baseline line coding exercise
  - Pre and post-coordinated concepts

- Field Trials
  - Line coding – 298 diagnoses
  - Case Coding – 30 cases

Testing Findings

- ICD-11 offers greater granularity, in some cases too much in other cases not enough
- Missing and inconsistent instructional notes
- Incorrect category numbering and unclear to what level to code to
- Coding tool and browser generally good, intuitive and easy to navigate. Some difficulties using the coding tool
- ICD-11 contains conditions not classifiable in ICD-10
- Uses current terminology
- Structured logically
- Post co-ordination functionality works well but not available everywhere
- Many of changes identified have been corrected by WHO

Current status of ICD-11

- Complete analysis of field trials
- Feed back recommendations to WHO
- Produce report containing results of field trials

Further Information on ICD-11

- ICD-11 Webpages
  http://www.who.int/classifications/icd/revision/en/

- Revision Information Notes
  http://www.who.int/classifications/icd/revision/informationnotes/en/

- FAQ's
  http://www.who.int/classifications/icd/revision/icd11faq/en/

- Browser and user guides
  http://apps.who.int/classifications/icd11/browse/l-m/en

- Coding Tool
  http://icd11ct.cloudapp.net/ct/icd11beta_jlmms/en/current

- NHS Digital ICD-11 webpages (including ICD-11 overview)
  https://hscic.kahootz.com/connect.ti/t_c_home/view?objectId=297939

NHS Digital

www.digital.nhs.uk

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