



ICD-11 Coding Readiness & Implementation Part 1

May 12, 2023
Introduction to ICD-11

The mission of the Oregon Office of Rural Health is to improve the quality, availability and accessibility of health care for rural Oregonians.

The Oregon Office of Rural Health's vision statement is to serve as a state leader in providing resources, developing innovative strategies and cultivating collaborative partnerships to support Oregon rural communities in achieving optimal health and well-being

Webinar Logistics

- Audio muted and video off for all attendees.
- Select to populate the  to populate the chat feature on the bottom right of your screen. Please use either the chat function or raise your hand  on the bottom of your screen to ask your question live.
- Presentation slides and recordings will be posted shortly after the session at: <https://www.ohsu.edu/oregon-office-of-rural-health/resources-and-technical-assistance-cahs>.





Next ICD-11 Webinar

May 19, 2023 | 12:00 p.m.

ICD-11 Coding Readiness & Implementation Part 2: Applying Lessons Learned from ICD-10

[Register here](#)

Agenda

- Current ICD-10 users
 - Where, why, by whom and how is it being used
 - What works?
 - Opportunities for improvement
- Gap Analysis/Needs Assessment
 - Staffing
 - Software and internet access considerations
 - Lead times for updating IT systems
 - Training needs
- Creating Teams
 - Providers, Coders, Billers, Information Technology, Project Management



Jackie King, MSHI, CCS, CPC, COC, CRHCP has worked in the health care field for over 30 years in both clinical and administrative positions at small rural and critical access hospitals (CAHs), RHCs and physician practices. Prior roles include Medical Imaging Technologist, Quality Management/Utilization Analyst, and Director of Health Information Management, Compliance and Clinical Informatics.

Jackie joined ArchProCoding in January 2019 and continues to serve as Director of Hospital Education and ICD-11 Expert. Her role includes providing education, sharing resources, promoting efficiency and best practice, and improving health care services for RHCs, small rural and CAHs and their rural communities across the country. Jackie has presented rural health topics nationally both in person and virtually - rural healthcare is her passion!

ICD-11 Coding Readiness & Implementation:

Part 1: Introduction to ICD-11



Presenter

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Disclaimer

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Agenda

Overview of the ICD-11



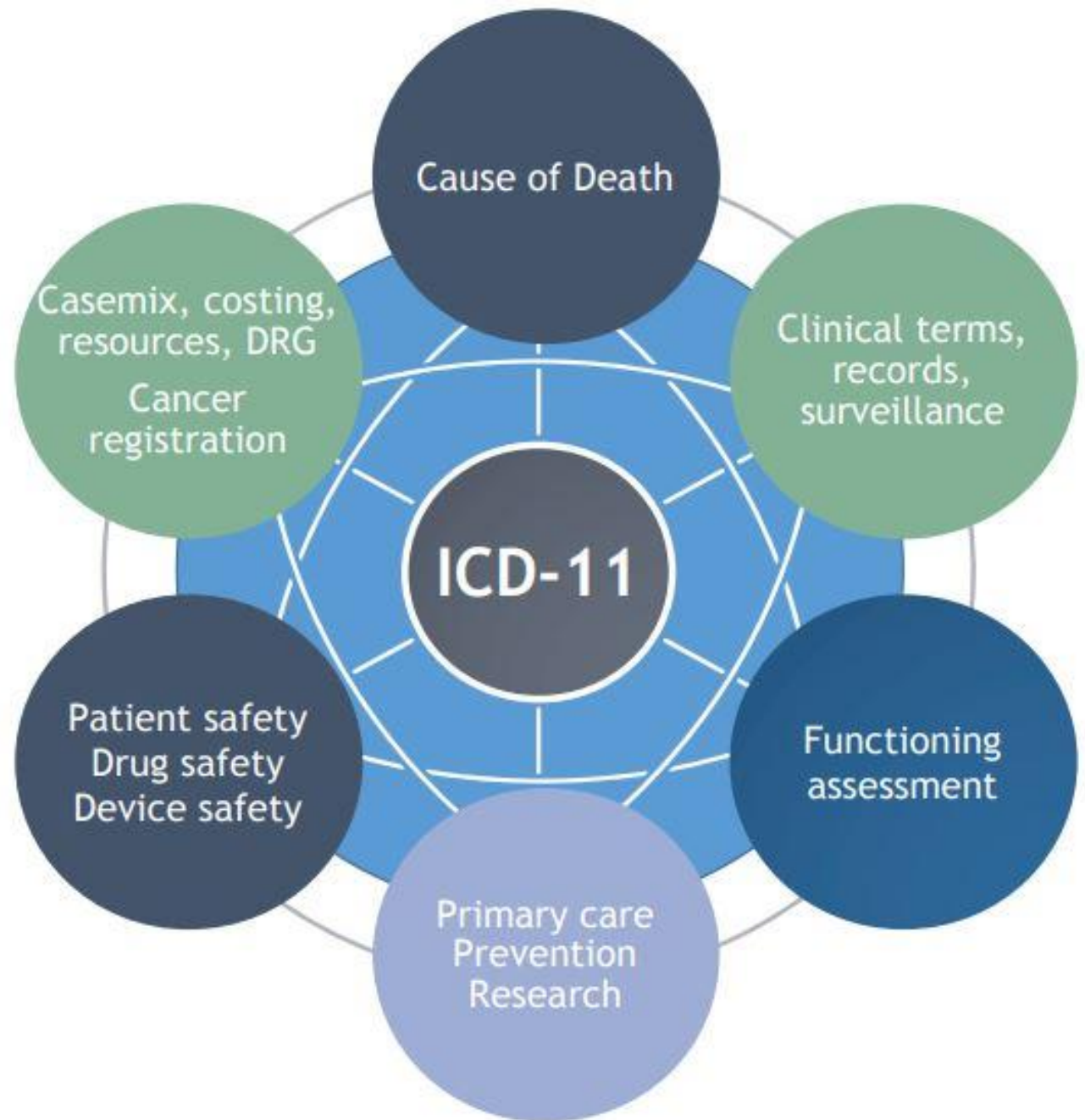
Advantages of ICD-11



The ICD-11 Package



ICD Purpose and Uses





What Exactly is ICD?

The **International Classification of Diseases and Related Health Problems (ICD)** is the international standard for systematic recording, reporting, analysis, interpretation and comparison of mortality and morbidity data. The 11th revision is called ICD-11. The US is currently using version 10 (ICD-10).

ICD-11 covers a broad range of uses including, clinical recording, the collection and study of mortality and morbidity statistics, epidemiological research, case mix studies, quality and safety interventions and planning, primary care and more.

Overview of ICD-11



Global ICD-11 Effective Date

- ❖ The new Revision of ICD was endorsed by the World Health Assembly at the 72nd meeting in 2019 and came into effect globally on **January 1, 2022**. From that date, health statistics will be reported to the World Health Organization (WHO) in ICD-11.
- ❖ 2022 ~ 35 countries using ICD-11
- ❖ While countries are encouraged to follow their commitment documented with their approval of ICD-11 at the World Health Assembly, *there are no sanctions for late implementation*. Each country has its own special environment and systems in place. The US is not prepared to fully implement ICD-11 at this time.

Overview of ICD-11



Revised classification system with much more than diseases

- ❖ Reformulated chapter structure and indexing system
- ❖ Besides diseases, ICD includes disorders, injuries, external causes, signs and symptoms, substances, medicaments, anatomy, devices, histopathology, severity and much more
- ❖ 120,000 clinical terms (and can code millions of terms)
- ❖ Thousands of new categories and updated classification schemes
- ❖ A health condition may be described to any level of detail, by combining codes. Simple coding can be done, as well as coding of complex clinical detail
- ❖ Intended to supersede the 10th Revision, which is now more than 28 years old and clinically outdated

Overview of ICD-11

Digital Format



- ❖ Comprising tools and software for using the classification to generate accurate descriptions of health event information.
- ❖ Designed to integrate with local health information systems rather than to introduce an additional layer of administration.
- ❖ It may be used either online or offline, for example, where internet stability is less reliable.
- ❖ Core functionality and support are provided by API 'out of the box'.

Overview of ICD-11



Digital Format

- ❖ Digital health or e-Health compatible and is interoperable with Health Information Systems.
- ❖ By integrating with local IT infrastructure, the classification also becomes a data collection system, that is, rather than having multiple steps of transcription from paper, using the Browser to generate a correct code also enables that code to be directly recorded.
- ❖ There is no longer a need to search or memorize codes – entering a term into the Coding Tool leads the clinician or the coder to the correct ICD code.

Advantages of ICD-11



Up-to-date Scientific Knowledge

- ✓ 1900 ~ First Edition-179 categories
 - ✓ 2016 ~ Tenth Revision-12,000 categories
 - ✓ 2022 ~ Eleventh Revision-17,000 categories!
-
- Flexible and Accurate-resulting health information can be used in a variety of applications
 - Improving patient outcomes
 - Patient safety and quality analysis
 - Population health reporting
 - Integrated care
 - Strategic planning
 - Deliver of healthcare services
 - Ontological Structure

Improvements of ICD-11



Improvements and Additions

- > [New primary care concepts](#) for application in settings where simple diagnoses are made
- > A section on the [documentation of patient safety events](#) has been fully overhauled and systematically tested. It allows for all necessary detail and complies with the WHO patient safety framework
- > [Coding for Antimicrobial Resistance](#), which was missing in ICD10 to enable data documentation and analysis consistent with the WHO Global Antimicrobial Resistance Surveillance System (GLASS)
- > [HIV coding](#) has been updated with new subdivisions and removal of outdated detail, as well as codes for differentiating 'HIV with malaria or tuberculosis'
- > New supplementary section for [Functioning Assessment](#). This section allows monitoring of functional status through the recording before and after the intervention, and permits the calculation of a summary functioning score using the WHO Disability Assessment Schedule 2.0 (WHODAS 2.0) or the WHO Model Disability Survey (MDS) (both a domain specific or an overall summary score)

Improvements with ICD-11



Improvements and Additions

- [Incorporated all rare diseases](#). Only a few of these have an individual code, but all have their own Uniform Resource Identifier (URI), allowing rare Disease Registries and researchers access to detailed epidemiological data on conditions of interest
- The [use of the URI facilitates linkage with other information interchange products and terminologies](#)
- Traditional Medicine is an integral part of health services provided in many countries, such as China, India, Japan, and the Republic of Korea. It has not been based on standard classification, nor been possible for health authorities to monitor or compare internationally or regionally. A new [Supplementary Chapter for Traditional Medicine](#) provides standardized descriptions for data capture and allows for country-level monitoring through dual documentation alongside mainstream practice, as well as international comparison

Improvements with ICD-11



Ease of Use

- > More straightforward coding
- > Digital structure allows the Coding Tool to be embedded into the local digital record and IT systems either locally or the web-based version via the WHO Application Programming Interface (API). This allows a search using natural or preferred terminology-then relates this to the correct technical code without requiring the coder or clinician to memorize the codes.
- > Integration combines recording with coding, reducing required steps for complete documentation and increasing user compliance as lowering costs and times for training
- > Ontological core of ICD-11 can be quickly expanded for new terms, synonyms and concepts in all language versions
- > For situations where paper-based documentation is used, a printed index or relevant subsets can provide quick access to the code

Improvements with ICD-11

Multiple Applications



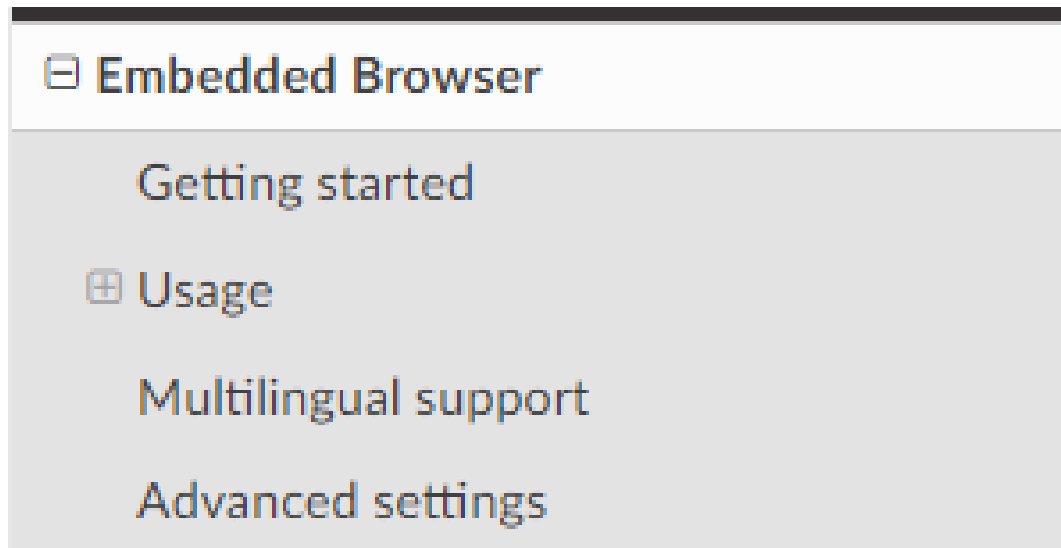
Address growing public health data needs:

- primary care reporting for all levels of resource settings
 - epidemiology and population health
 - research
 - health system performance
 - patient safety and quality
 - case mix or activity-based funding.
- Previous revisions of the ICD have responded to these needs in an ad-hoc way and are therefore limited, inflexible or outdated in their application. In contrast, the ICD11 has been developed from the outset to address these uses and to allow the most accurate and best quality capture of morbidity data
 - Documentation may be produced to the broadest or most detailed level of specificity for epidemiological, case mix or other management purposes. This is facilitated by combining codes of the core classification 'stem codes' and adding optional codes in the form of 'extension codes', as for anatomy, histopathology, medicaments, severity, or injury research.

The ICD-11 Package

ICD-11 [Web-based Browser Tool](#)

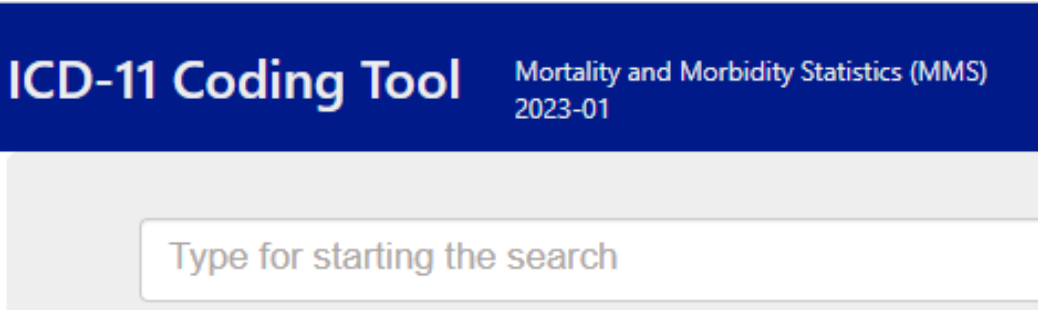
- ❖ Allows user to retrieve concepts by searching terms, anatomy or other elements of the ICD-11
- ❖ Includes context sensitive help via an icon on the screen
- ❖ Allows users to contribute to updates and continuous improvement of ICD via a proposal platform



The ICD-11 Package

ICD-11 Coding Tool

- ❖ Works by searching ICD content as the user types in a term, for example “diabetes.”
- ❖ Generates and dynamically updates three different outputs: a word list; matched entities with a link to the Browser; the chapters associated with the target term



Guessing the word being typed...

The results shown are incomplete

Filter

Word list


sort : Relatedness/repetition

diabetes

Destination Entities

sort: Matching score

5A14	Diabetes mellitus, type unspecified diabetes NOS *	+ J K [Details]
5A40.Z	Intermediate hyperglycaemia, unspecified prediabetes	+ J K [Details]
5A13.4	Diabetes mellitus due to drug or chemical	+ J K [Details]
5A22.Z	Diabetic acidosis, unspecified	+ J K [Details]



ArchProCoding
RURAL & COMMUNITY HEALTH

New 2023 ICD-11 Release



- ❖ Multilingual: All tools and APIs are available in:
 - ❖ Arabic, Chinese, English, French, Russian, Spanish and Turkish.
 - ❖ 23 more languages are underway!
- ❖ New and improved coding support and maintenance platform
- ❖ Updated mapping tables and reference guide
- ❖ Covid-19 Vaccines, and SARA-COV-2 subtypes added as well as new “mpox” synonym for monkeypox
- ❖ .Currently 64 Member States are in different stages of ICD-11 implementation globally

Reference Links



- [ICD-11 WHO Main Menu](#)
- [ICD-11 Implementation and Transition Guide](#)
- [ICD-11 Coding Tool MMS](#)
- [ICD-11 Training Package](#)



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ORH Announcements

- [2023 Forum on Aging in Rural Oregon](#): May 15-17 in Seaside, Ore.
Registration is open
- [2023 Oregon CAH Quality Workshop](#): May 15-17, 2023 in Seaside, Ore.
Registration is open
Questions? Contact Stacie Rothwell | rothwels@ohsu.edu
- **May 19 at 12 p.m.** | ICD-11 Coding Readiness & Implementation Part 2: Applying Lessons Learned from ICD-10 | [Register here](#)
- **May 24 at 12 p.m.** | SHIP 2023 Wintergreen Capstone + FY23 Wintergreen SHIP Program Options | [Join here](#)

Thank you!

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