

Update on ICD-11

Donna Pickett, MPH, RHIA

Chief, Classifications and Public Health Data Standards, NCHS

Head, Collaborating Centre for the WHO-FIC in North America

National Committee on Vital and Health Statistics

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ICD Revision History (Mortality and Morbidity)

<i>ICD Revision No.</i>	<i>Year of Conference When Adopted</i>	<i>Year in Use in the U.S. Mortality</i>	<i>ICD, Clinical Modification Morbidity</i>	<i>Year in Use in the U.S.</i>
First	1900	1900-1909		
Second	1909	1910-1920		
Third	1920	1921-1929		
Fourth	1929	1930-1938		
Fifth	1938	1939-1948		
Sixth	1948	1949-1957		
Seventh	1955	1958-1967		
Eighth	1965	1968-1978	ICDA-8 H-ICDA-1 H-ICDA-2	1968-1978 1968-1972 1973-1978
Ninth	1975	1979-1998	ICD-9-CM	1979
Tenth	1989	1999-	ICD-10-CM	Oct. 1, 2015

Need for an 11th Revision

- ICD-10, despite the updating process, ICD-10 is clinically outdated
- Structural changes were needed to some chapters
- Increasing need to operate in an electronic environment
- Need to capture more information for morbidity use cases

ICD-11 Revision Goals

- Ensure that ICD-11 will function in an electronic environment
 - Will be a digital product
 - Link with terminologies (e.g., SNOMED)
 - 22 July 2010 - WHO and the International Health Terminology Standard Development Organisation (IHTSDO) have worked on a collaborative arrangement to link the WHO Family of Classifications and the Standardized Nomenclature of Medicine - Clinical Terms (SNOMED CT). This arrangement enables the linkage of terminologies and classifications. In the era of computerization of health information and electronic health records, it represents a major achievement.
- ICD Categories
 - “defined” by "logical operational rules" on their associations and details
- Support electronic health records and information systems

ICD-11 Revision Goals (cont'd)

- Multi-purpose and coherent classification
 - Mortality, morbidity, primary care, clinical care, research, public health...
 - Consistency & interoperability across different uses
- International multilingual reference standard for scientific comparability
 - English, French, Spanish, Russian, Chinese, Arabic

ICD-11 Development Process

U.S. Involvement

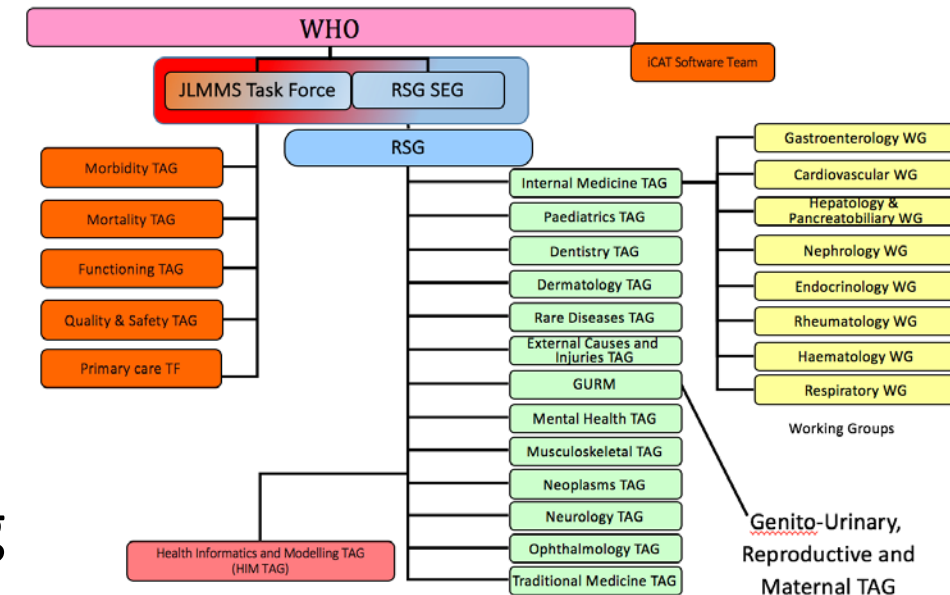
- RSG & RSG-SEG chair: Dr. Christopher Chute, Johns Hopkins
- Cross-cutting Topic Advisory Groups (TAGs):
 - Co-chair Mortality TAG – Robert Anderson, NCHS
 - Co-chair Morbidity TAG – Donna Pickett, NCHS
 - Co-chair Functioning TAG – Cille Kennedy, ASPE
- Joint Task Force (JTF)
 - Robert Anderson, NCHS
 - Dr. Christopher Chute, Johns Hopkins
 - Donna Pickett, NCHS
- MSAC and CSAC
 - Dr. Christopher Chute, Johns Hopkins (MSAC)
 - Donna Pickett, NCHS (CSAC)

PHASE 1 – Design

- Project planning
- Setting up working groups
- Setting up IT infrastructure
- Free authoring
- Review of process in 2015 for priority setting

2007-2015

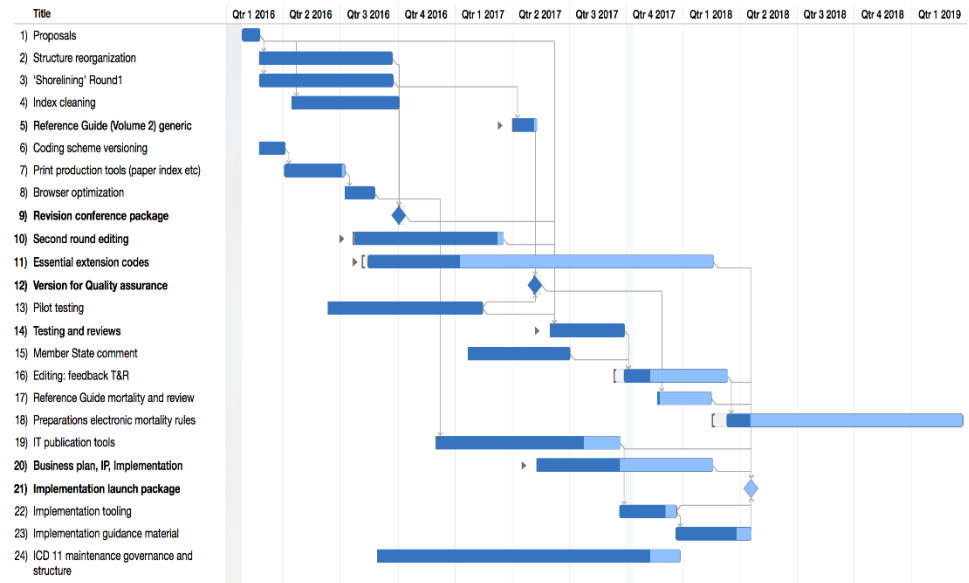
ICD Contribution



Phase 2 – Consolidation

2015-2018

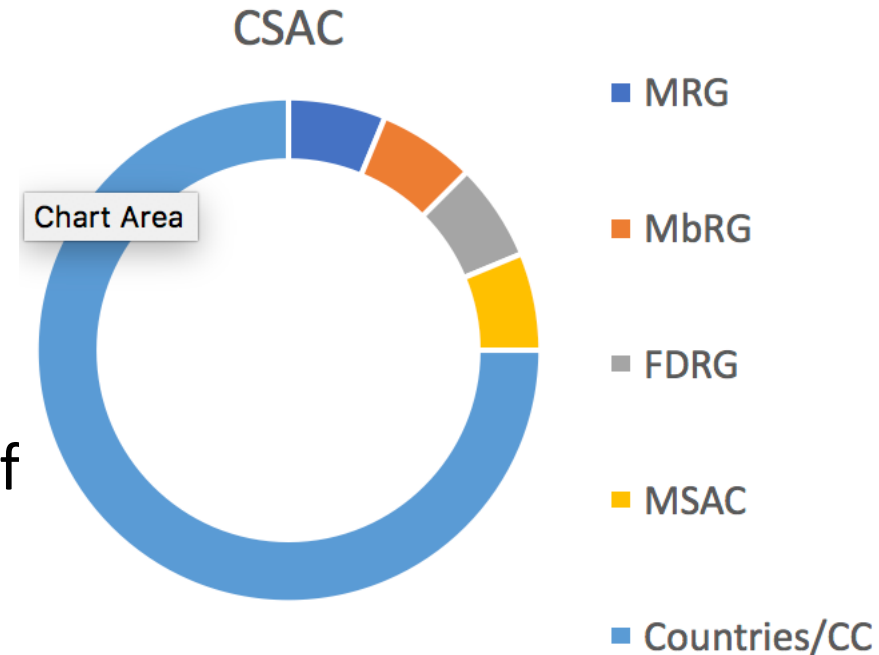
- Formation of Joint Task Force: support to priority decisions
- End of Topic Advisory Groups
- Chapter reviews and editing to become statistical classification
- Improve user guidance
 - Index, notes, postcoordination
 - Reference guide – explanations, rules, forms
- Implementation package
 - Advocacy
 - Training
 - Transition tables
 - Classification + Index (browser + coding tool)
 - Transition guide
 - IT services
- Governance for maintenance



Phase 3 – Implementation

2018-2021

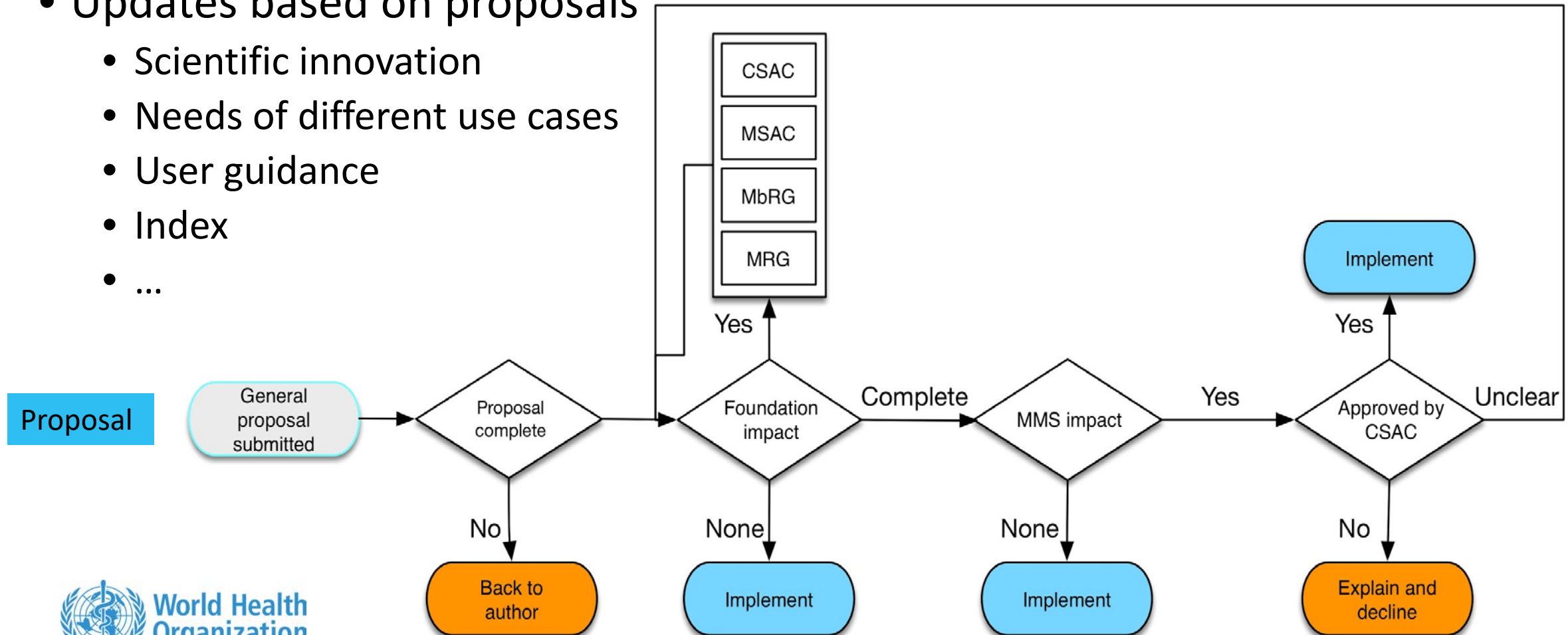
- Release version for implementation June 2018
- Countries start implementation process
- MSAC up and running
- CSAC up and running
- End of maintenance of ICD-10 (except for correction of errors)
- Finalization of mortality rules
- Updates to ICD-11 based on input from implementation
 - Additional user guidance / clarifications / adding or removing few individual categories
- Updates to ICD-11 based on other proposals
- 1st update after 3 years



Phase 4 – Regular maintenance

from 2021

- Updates based on proposals
 - Scientific innovation
 - Needs of different use cases
 - User guidance
 - Index
 - ...



Field Trials

- WHO will develop a framework to ensure standardization of beta testing
- Goals
 - Test fitness of ICD-11 for multiple purposes (mortality, morbidity, quality, other use cases)
 - Ensure comparability between ICD-10 and ICD-11
 - Increase consistency, identify improvement paths, reduce errors

Field Trials (cont'd)

- Assessments
 - Applicability (feasibility): ease of use
 - Reliability (consistency): same results by all each time
- Utility (added value): renders useful information
 - Mortality: cause of death coding, verbal autopsy
 - Morbidity: hospital discharge, outpatient, casemix
- Different settings
 - Primary care: high and low resource settings
 - General health care
 - Research settings: population health, clinical research

ICD-11 Tools

apps.who.int/classifications/icd11/browse

- Coding tool: spelling-synonyms
 - icd11ct.cloudapp.net/ct#/
- ICD-11 browser
 - See foundation and linearization – grid view
 - Download versions
 - ‘Frozen’ versions
 - See differences
- Proposal tool
 - Make suggestions and discuss them
 - Notifications
- Review tool
- Translation tool
 - Translate in your language
- Mapping tool
 - See mapping at detailed level
 - Comment mapping to and from ICD-10

www.who.int/classifications/icd/revision/

Online information:

- FAQ
- Video
- Working groups
- ICD-11 features

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Classifications

Family of International Classifications

Family of International Classifications network

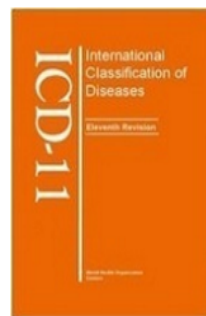
Classification of Diseases (ICD)

Classification of Functioning, Disability and Health (ICF)

Classification of Health Interventions (CHI)

Frequently asked questions

The International Classification of Diseases 11th Revision is due by 2018



Participate in the ICD Revision

- Beta phase participants will have the opportunity to:
- Make Comments
 - Make Proposals
 - Propose definitions of diseases in a structured way
 - Participate in Field Trials
 - Assist in translating ICD into other languages

[Video invitation to participate](#)

[Frequently Asked Questions About ICD-11](#)

[ICD Information Sheet](#)

[ICD Revision Information Notes](#)

[ICD-11 Browser for browsing the classification and participating the development](#)

ICD-11 Highlights



ICD-11 Newsletter - November 2015
[pdf 209kb]
A quarterly update from the WHO team on the ICD-11 progress, accomplishments, and ongoing work.



Register to become involved
WHO wants to know if you are interested in being involved in the ICD Revision.



Timelines
Learn about the ICD-11 Timelines

New ICD-11 Features



[Content Model](#)

[Definitions](#)



[Field Tests](#)

ICD Revision

[Revision News](#)

[Steering Group](#)

[Topic Advisory Groups](#)

[External Review of the ICD-11 Revision](#)

[ICD-11 Project Plan](#)

ICD-11 Implementation Considerations/Challenges (Morbidity)

- WHO Licensing implications
 - Operational mechanisms regarding copyright restrictions have not been spelled out
 - How will “for US government purposes” defined? 1990 NCVHS Report stated that in the US,“government use” is not a single definition.....
 - Impact that copyright on ICD-11 would have on cost and use in the US
 - Vendor implications
- WHO intention to limit development of national modifications
 - Specific limitations have not been spelled out
- Revisions to existing HIPAA standards to accommodate ICD-11 including:
 - Changes in structure and conventions
 - Changes to X12 (for example change to 5010 from 4010)
 - Post coordination
 - Clustering

ICD-11 Implementation Considerations/Challenges (Mortality)

- Revision of automated coding system
 - Decision tables – international effort
 - Extension codes and cluster coding
- Retraining of coders
 - Revision of coder training materials and electronic tools
- Revision of
 - File formats
 - Edits
 - Instruction manuals
 - Tabulation lists
- Comparability study – bridge coding

ICD-10-CM Implementation Timeline

- Evaluation of ICD-10 for U.S. purposes (1994 - 1997)
Summary document available at <http://www.ncvhs.hhs.gov/031105a1.htm>
- NCVHS Hearings (1997-2003)
Summary document available at <http://www.ncvhs.hhs.gov/031105a2.htm>
- NPRM (2008)
- Final Rule (2009)
- NPRM (2012)
- Final Rule (2012)
- Interim Final Rule (2014)

ICD-10-CM Implementation Timeline and ICD-11 Implications for Morbidity

- Evaluation of ICD-11 for U.S. purposes (2018 – 2021? 2022?)
- NCVHS Hearings (2021-2027?)
- NPRM (?)
- Final Rule (?)
- NPRM (?)
- Final Rule (?)
- Interim Final Rule (?)

Thank You

Donna Pickett, MPH, RHIA

dfp4@cdc.gov

For more information please contact Centers for Disease Control and Prevention

3311 Toledo Road, MD 20782

Telephone: 1-301-458-4434 Or 1-301-458-4073

Web: <http://www.cdc.gov/nchs/icd/icd10cm.htm>