

APRIL 2024
SNOMED INTERNATIONAL BUSINESS MEETINGS

SNOMED
International

Content Managers Advisory Group

TUESDAY APRIL 16, 2024
LONDON, UNITED KINGDOM

SNOMED
International

*Leading healthcare
terminology,
worldwide*



Content Managers Advisory Group

Welcome!

- Observers welcome
- Hybrid meeting
 - Use microphone when speaking
 - Please mute at other times
- Meeting is recorded
 - Purpose - minute taking
 - Please advise of any concerns
- Attendees list
 - In person - complete attendance list
 - Online - advise full name via chat
 - Apologies - advise Monica/Elaine

Agenda

- Minutes of last meeting
- National content updates
 - Denmark - Pregnancy
- Race/ethnicity content update
- Briefing notes
 - Template and process changes
 - Inactivation of classification derived complication concepts
 - Role grouping policy for Observables
- Presentation by Bruce Goldberg
 - Chair of the Allergies/Hypersensitivity and Intolerance CRG - potential work item
- Any other business



Administration

- Minutes
 - Jan 2024: No feedback - approved
 - This meeting: CMAG members will receive an action item to review when minutes created
- Conflicts of interest
 - This meeting - Any to declare?



National Content Work

- Country content development updates
- Denmark: Pregnancy content



National content work - pregnancy terms

Louise Bie, Terminologist in the Danish NRC



**DANISH HEALTH
DATA AUTHORITY**

Overview of new concepts on Confluence

Concept ID	FSN	Semtag	Subject	Promotion status	Effective Time International Edition	Active International Edition	Effective Time Danish Edition	Active Danish Edition
597951000005108	Puerperium observable (observable entity)	(observable entity)	History	Promoted	20240301	1	20230930	1
597931000005103	Abortive outcome observable (observable entity)	(observable entity)	History	Promoted	20240301	1	20230930	1
598021000005104	Work environment risk factor (observable entity)	(observable entity)	Employment	Promoted	20240301	1	20230930	1
598171000005102	Maternal tobacco smoking consumption during pregnancy (observable entity)	(observable entity)	Substance use	Promoted	20240301	1	20230930	1
598081000005100	Stopped smoking after first trimester (finding)	(finding)	Substance use	Promoted	20240301	1	20230930	1
598221000005106	Nicotine user during pregnancy (finding)	(finding)	Substance use	Promoted	20240301	1	20230930	1
598241000005101	Stopped using nicotine in first trimester (finding)	(finding)	Substance use	Promoted	20240301	1	20230930	1
598251000005104	Stopped using nicotine after first trimester (finding)	(finding)	Substance use	Promoted	20240301	1	20230930	1
598151000005105	Gestational age (observable entity)	(observable entity)	Pregnancy period	Promoted	20240301	1	20230930	1
598091000005102	Nicotine user before confirmation of pregnancy (finding)	(finding)	Substance use	Promoted	20240201	1	20230930	1
598261000005102	Date ceased using nicotine (observable entity)	(observable entity)	Substance use	Promoted	20240201	1	20230930	1
598111000005109	Nicotine pouch (product)	(product)	Substance use	Promoted	20240101	1	20230930	1
598121000005103	Child death (event)	(event)	History	Promoted	20231201	1	20230930	1
568071000005101	One parent or sibling has allergy (situation)	(situation)	Fetus	Promoted	20221231	1	20220930	1
568061000005106	Both parents have allergy (situation)	(situation)	Fetus	Promoted	20221231	1	20220930	1
567961000005108	Antenatal ultrasound scan in first trimester wanted (finding)	(finding)	Request from pregnant woman	Promoted	20221130	1	20220930	1
567981000005100	Antenatal ultrasound scan in second trimester wanted (finding)	(finding)	Request from pregnant woman	Promoted	20221130	1	20220930	1
568011000005108	Antenatal risk assessment wanted (finding)	(finding)	Request from pregnant woman	Promoted	20221130	1	20220930	1
567941000005109	Pregnancy with certain dates (finding)	(finding)	Pregnancy period	Promoted	20221130	1	20220930	1
568171000005100	Drinker of alcohol before confirmation of pregnancy (finding)	(finding)	Substance use	Promoted	20221130	1	20220930	1
568251000005102	Tolerance, Worry, Eye-opener, Amnesia, K/Cut down questionnaire score (observable entity)	(observable entity)	Substance use	Promoted	20221130	1	20220930	1
648051000005108	Civil union partner (person)	(person)	Basic Patient Data	Promotion requested			20240331	1
597961000005105	Normal puerperium (finding)	(finding)	History	Promotion requested			20230930	1
597941000005106	Family history of congenital malformation (situation)	(situation)	Family history	Promotion requested			20240331	1
617971000005107	Congenital malformation of family member (observable entity)	(observable entity)	Family history	Promotion requested			20240331	1

New content

- 104 new concepts – especially for documenting information about
 - Use of alcohol and nicotine, e.g.
598111000005109 | Nicotine pouch (product)|
 - Examinations, e.g.
628001000005106 | Position of placenta in uterus (observable entity)|
 - Family history, e.g.
597941000005106 | Family history of congenital malformation (situation)|
- 21 already promoted to the International edition
- 48 recently requested for promotion to the International edition



Briefing Notes - Changes

- Template
 - Explicit advice on type of note
 - Informational
 - Request for input
 - Consultation on impact assessment
 - Inclusion of ECL queries
- Process
 - CMAG blog post for all briefing notes
 - Informational located:
 - <https://confluence.ihtsdotools.org/display/cmaga/Informational+Briefing+Notes>
 - Input/consultation
 - Located:
<https://confluence.ihtsdotools.org/display/cmaga/Briefing+Notes+Requiring+Input+or+Consultation>
 - No longer managed as a CMAG topic or issue
 - Provision of response as advised in briefing note
 - No input/consultation requests made during July/August



Briefing Note Items

- Inactivation of classification derived complication disorders
 - Feedback due May 1st - jca@snomed.org
- Role grouping policy for observables
 - Recommendation - Extensions make changes prior to International Edition July 2024 release.
 - SNOMED International currently testing scripts and reports.
 - Any National extension managers interested in participating?



Race/Ethnicity Content Update

- Ethnic Group
 - Retain 372148003 |Ethnic group (ethnic group)|
 - All subtypes inactivated
 - Member countries may recreate or reactivate in extensions - preference is recreation
- Racial Groups
 - Retention of
 - 415229000 |Racial group (racial group)|
 - 413464008 |African race (racial group)|
 - 413773004 |Caucasian (racial group)|
 - 413582008 |Asian race (racial group)|
 - 413491005 |American Indian race (racial group)|
 - 414752008 |Mixed racial group (racial group)|
 - 415794004 |Unknown racial group (racial group)|
 - Creation of new concept for Pacific Islander
 - Inactivation of other subtypes.



Enhance content under 416093006 | Allergic reaction caused by drug (disorder) |

Bruce Goldberg, MD, PhD

Chair, Allergies/Hypersensitivity and Intolerance Clinical
Reference Group

Classification of adverse drug reactions

- Type A reactions
 - Represent the majority of reactions, can affect any individual, and are predictable from the known pharmacologic properties of a drug.
 - Examples
 - Toxicity
 - Side-effects
 - Interactions with other drugs
- Type B reactions (Hypersensitivity)
 - Immune mediated
 - Allergy
 - Specific IgE (**Type I**)
 - Types II-**IV**
 - Other immunologic reactions
 - Drug-induced autoimmunity
 - Fixed drug eruptions
 - Non-allergic reactions
 - Pseudoallergy
 - Intolerance
 - Idiosyncrasy

Issue

- Allergic reactions to drugs are types of adverse drug reactions (type b – hypersensitivity reactions)
- SNOMED content related to adverse sensitivity and thus allergy to drugs are located in parallel hierarchies representing reactions and propensity to reactions.
- The distinction between propensity (disposition) and reaction (event) is supported by the FHIR AllergyIntolerance resource
- There is a huge imbalance between the amount of content under 416098002 |Allergy to drug| (finding) and 416093006 |Allergic reaction caused by drug (disorder)| with the vast majority of concepts residing under 416098002 |Allergy to drug| (finding).

Allergy hierarchies pertaining to drugs

Allergic reaction caused by drug (disorder)

- ⤴ ≡ Allergic reaction (disorder) 116
- ⤴ ≡ Adverse reaction caused by drug (disorder) 1457
 - ⤵ ≡ Allergic reaction caused by drug (disorder) 14
 - ≡ Allergic reaction caused by analgesic (disorder) 3
 - ≡ Allergic reaction caused by anesthetic (disorder) 1
 - ≡ Allergic reaction caused by antiinfective agent (disorder) 4
 - ≡ Allergic reaction caused by colophony (disorder) 0
 - ≡ Drug-induced anaphylaxis (disorder) 6

Allergy to drug (finding)

- ⤴ ≡ Allergic disposition (finding) 1332
- ⤴ ≡ Propensity to adverse reactions to drug (finding) 1080
 - ⤵ ≡ Allergy to drug (finding) 1046
 - ≡ Allergy to 3-hydroxy-3-methylglutaryl-coenzyme A reductase inhibitor (finding) 8
 - ≡ Allergy to 5-hydroxytryptamine-3-receptor antagonist (finding) 0
 - ≡ Allergy to acarbose (finding) 0
 - ≡ Allergy to acenocoumarol (finding) 0
 - ≡ Allergy to acetazolamide (finding) 0
 - ≡ Allergy to acetic acid (finding) 0
 - ≡ Allergy to acetohexamide (finding) 0
 - ≡ Allergy to acetylcholine (finding) 0

Propensities being findings means that the majority of drug related allergy content will not be subsumed under Allergic reaction caused by drug (disorder) and thus not be considered to be adverse drug reactions

PROJECT APPROACH

- Review the content under 416098002 |Allergy to drug (finding) and create parallel allergic drug reactions under 416093006 |Allergic reaction caused by drug (disorder)|.
- This may be amenable to automation but there is still a requirement for manual review of all newly created concepts and their classification as well as resolving issues such as consideration of dealing with previously inactivated concepts.

PROJECT IMPACTS

- Creation of concepts of this type and number has a direct impact on the ICD mapping project.

PROJECT SCOPE

- The scope of the project includes: Creating ~1,000 new allergic reaction caused by drug concepts
- The scope of the project excludes: Addition of new content as identified by Allergy CRG

Other business

- Additional topics?



Next Meeting: July 2024

Date and time to be advised



Thank You

SNOMED
International