

Briefing Note Surgical approach review

23 October 2023

MRCM changes to 424876005 |Surgical approach (attribute)|

Purpose

Briefing Paper for the Editorial Advisory Group about proposed changes to MRCM rules referring to 424876005 |Surgical approach (attribute)|.

Background

There is a need to generalize 424876005 |Surgical approach (attribute)| in order to allow Non-surgical procedures to be modeled with a subtype of <<103379005 |Procedural approach (qualifier value)|. This issue has been raised by members desiring to sufficiently model non-surgical procedures.

Issues

Concepts using 424876005 |Surgical approach (attribute)| must be subtypes of 387713003 |Surgical procedure (procedure)|. This statement is consistent with MRCM rule for Surgical approach (attribute) range = << 103379005 |Procedural approach (qualifier value)| and domain = 387713003 |Surgical procedure (procedure)|, these two conditions determine that the Surgical approach (attribute) may only be used for Surgical procedures and that any concept using that attribute subsumes under 387713003 |Surgical procedure (procedure)” as noted in [IHTSDO-1083](#).

[GC-1142](#) states: “424876005 |Surgical approach (attribute)| is restricted to subtypes of 387713003 |Surgical procedure (procedure)|. However, the values represented by the 103379005 |Procedural approach (qualifier value)| subhierarchy are applicable to concepts that are not subtypes of Surgical procedure and could potentially be used to define "non-surgical" procedure concepts”

There are about 864 procedure concepts currently modeled with 24876005 |Surgical approach| and 343 procedure concepts using the term "Approach" in FSN.

Next Steps

The following actions are proposed:

- Inactivate 24876005 |Surgical approach|.
- Reclassify the unapproved attribute 116688005 |Procedure approach (attribute)| under 762705008 |Concept model object attribute (attribute)|
- Add an MRCM rule for using 116688005 |Procedure approach (attribute)| with domain constraint: << 71388002 |Procedure (procedure)| and range constraint: << 103379005 |Procedural approach (qualifier value)|.
- Remodel concepts currently modeled with 24876005 |Surgical approach|, replacing that attribute with 116688005 |Procedure approach (attribute)| (Impact: ~864 concepts)
- Concepts using the term "Approach" in FSN will be reviewed and remodeled after MRCM changes if necessary.

Recommendations

Request: EAG to review the need for MRCM changes to 24876005 |Surgical approach|. This change will allow Non-surgical procedures to be modeled with a generic Procedure approach attribute.

Impact:

- Concepts currently using 24876005 |Surgical approach| attribute will be reviewed and remodeled ensuring proper classification (~864 concepts).
- All concepts with the term "approach" in FSN will be reviewed and the Procedure approach attribute will be added without considering the Surgical or Non-surgical nature of the procedure as needed (~350 concepts).

Approvals	Date	Name
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