Briefing Note for the Member Forum and Content Managers Advisory Group

14 December 2022

Addition of content to support the International Dysphagia Diet Standardisation Initiative (IDDSI) Framework

Purpose

To inform of the planned release of content to support the implementation of the IDDSI Framework and IDDSI Functional Diet Scale.

Background

SNOMED International and the International Dysphagia Diet Initiative have signed an agreement to incorporate the IDDSI Framework v2.0 content into SNOMED CT enabling use in electronic records globally. The IDDSI framework consists of a continuum of 8 levels (0 - 7), where drinks are measured from Levels 0 – 4, while foods are measured from Levels 3 – 7. The framework provides a common terminology to describe food textures and drink thickness.

In discussion with IDDSI the content requirement was to represent both the IDDSI Framework and the IDDSI Functional diet scale (IDDSI-FDS) for multiple purposes e.g.

- Recording the procedure of assessing the patient's food and drink level based on the framework
- Availability of all the framework levels with definitions for use in populating the results of the food and drink level assessment
- Recording the individuals modified textured diet order based on the assessment result of the IDDSI-FDS

IDDSI Framework[1]

- Assessment scale for use in electronically populating the form: International Dysphagia Diet Standardisation Initiative Framework (assessment scale)
- Procedure for recording or planning the activity: Assessment using International Dysphagia Diet Standardisation Initiative Framework (procedure)

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[1] https://iddsi.org/Framework

- Observables for recording the level:
  - International Dysphagia Diet Standardisation Initiative Framework drinks level (observable entity)
  - International Dysphagia Diet Standardisation Initiative Framework food level (observable entity)

IDDSI Framework levels

Fig 1

International Dysphagia Diet Standardisation Initiative Framework level (qualifier value) grouper concept with 8 subtypes representing the levels 0-8 e.g.

International Dysphagia Diet Standardisation Initiative Framework - Slightly Thick Level 1 (qualifier value)

> **International Dysphagia Diet Standardisation Initiative Framework - Slightly Thick Level 1 (qualifier value)** ☆ ⬈
>
> SCTID: 1237441005
>
> 1237441005 | International Dysphagia Diet Standardisation Initiative Framework - Slightly Thick Level 1 (qualifier value) |
>
> *en* International Dysphagia Diet Standardisation Initiative Framework - Slightly Thick Level 1 (qualifier value)
> *en* International Dysphagia Diet Standardisation Initiative Framework - Slightly Thick Level 1
> *en* IDDSI (International Dysphagia Diet Standardisation Initiative) Framework - Slightly Thick Level 1
> *en* International Dysphagia Diet Standardisation Initiative Framework - ST1 (Slightly Thick Level 1)
> *en* This level includes drinks that are thicker than water and require a little more effort to drink than thin liquids. It flows through a straw, syringe, teat/nipple. Similar to the thickness of most commercially available anti-regurgitation (AR) infant formulas. IDDSI (International Dysphagia Diet Standardisation Initiative) Flow Test result shows that test liquid flows through a 10 ml slip tip syringe leaving 1-4 ml in the syringe after 10 seconds.

IDDSI Functional Diet Scale[2]

- Assessment scale for use in electronically instantiating the form: International Dysphagia Diet Standardisation Initiative Functional Diet Scale (assessment scale)
- Procedure for recording or planning the activity: Assessment using International Dysphagia Diet Standardisation Initiative Functional Diet Scale (procedure)
- Observable for recording the score: International Dysphagia Diet Standardisation Initiative Functional Diet Scale score (observable entity)
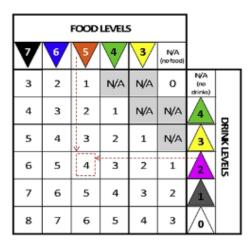

Fig 2

Example use of content

Form label: IDDSI Framework food level (SCT observable concept)   Answer = 3-7
Form label: IDDSI Framework drinks level (SCT observable concept)   Answer = 0-4

Answers populates the SCT concept qualifier value for the IDDSI Framework level.

Calculation – clinician calculates the IDDSI-FDS score based on the above two scores and the intersection of these in the diagram (Fig 2).

Form label: IDDSI-FDS score (SCT observable concept)   Answer = 0-8

This gives the range of levels that describe the food textures and drink thickness that are safe for that individual. These ranges can also be ordered using the regime/therapies in SNOMED CT as suggested by the Nutrition CPG e.g International Dysphagia Diet Standardisation Initiative Framework - Slightly Thick Level 1 diet (regime/therapy)

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[2] https://www.archives-pmr.org/article/S0003-9993(18)30085-6/fulltext

Next Steps

The content is planned for release in January 2023 and will be referenced in the release notes. In addition the Early Visibility Release Notification page will be updated to confirm this. Any feedback on this content is appreciated.

Approvals	Date	Name
Chief Terminologist	20221212	James T. Case
Director of Content and Mapping	20221208	Monica Harry

Elaine Wooler, 2022-12-07