

- *PROPOSAL FOR PRESENTATION TO THE CONTENT MANAGERS ADVISORY GROUP*
- *REQUIREMENT TO BE FULFILLED PRIOR TO SUBMITTING A PROJECT PROPOSAL TO SENIOR MANAGEMENT TEAM*
- *SEEKING SUPPORT AND ENDORSEMENT OF THE FOLLOWING PROJECT:*

1. PROJECT IDENTIFICATION	
<b>Project Name:</b>	Addition of new attribute to observable entity to link assessment scale to assessment score
<b>Description:</b>	Create a new attribute for the observable entity hierarchy named “using assessment scale” (or “using assessment instrument”) and use this attribute instead of   technique (attribute)   to represent the relationship between an assessment score, << 782487009   Assessment score (observable entity)  , and an assessment scale, << 254291000   Staging and scales (staging scale)
<b>Strategic Alignment</b>	

PROJECT INITIATION, PROBLEM STATEMENT AND/OR BACKGROUND
The assessment used to generate an assessment score is currently modeled using the   technique (attribute)   attribute for the observable entity score. This is a generic relationship and applying it to assessment scores seems to overburden the relationship, thus making it semantically impure / imprecise. Moreover, there are other features of assessment scores that are more appropriately modeled using the   technique (attribute)  , i.e., psychometric technique, survey technique. The distinction between scores generated using a psychometrically validated instrument and those generated using a standard survey is a critically important one.

USE CASE(S) and SCENARIO supported
<ol style="list-style-type: none"> <li>1) Semantic clarity and precision – ‘technique’ is too general, “using assessment instrument” is precise and specific</li> <li>2) Enable ECL queries to identify staging / scale related OEs</li> <li>3) Facilitate harmonization of SNOMED-CT assessment-related content and LOINC Survey content in the LOINC SNOMED Ontology</li> <li>4) Facilitate harmonization of assessment scale concepts in OMOP CDM (OMOP vocabulary files harmonize content and defining relationships across multiple vocabularies, having an explicit relationship ‘using assessment instrument’ would simply cross-terminology harmonization)</li> </ol>

*Project Objectives – Indicate the key objectives to be accomplished through a successful completion of the proposed project.*

PROJECT OBJECTIVES
The key objective is to precisely and unambiguously represent the relationship between assessment scale score observable entities and the assessment instrument from which they are generated.

*Project Benefits*

PROJECT BENEFITS:
<ul style="list-style-type: none"> <li>• Provide End-Users of SNOMED-CT with a fit-for-use model for assessment scores.</li> <li>• Accurately and unambiguously define assessment scale scores.</li> <li>• Enable use of ECL queries and simplify analytic capabilities.</li> <li>• Facilitate harmonization of LOINC and SNOMED in the new LOINC SNOMED Ontology.</li> <li>• Prevent rework across the healthcare enterprise (e.g., managing such relationships using an OMOP vocabulary extension). Demonstrate to the user community SI commitment to mental health content.</li> </ul>

*Project Approach – Internal and/or external resources; Is collaborative authoring proposed?***PROJECT APPROACH**

Propose collaborative authoring between SI and key stakeholder groups – MABH-CRG, OHDSI Psychiatry Working Group, University of Minnesota Semantic Interoperability and Innovation (SI2) Lab.

External resources will

- Identify necessary changes
- Engage SMEs to ensure accuracy of content (i.e., manually evaluate the value for each of the | technique (attribute) | defining relationships included in axioms to ensure the value currently assigned is accurate, and if not, determine the correct value).
- Create authoring tasks to test changes prior to submission
- Submit tested and verified changes as batch requests for SI author to implement

*Project Scope- Indicate the scope of the project which includes specifically what is in scope for the project and also any relevant scope exclusions that may apply.***PROJECT SCOPE**

## In scope:

- 45 concepts in the 782487009 | Assessment score (observable entity) | subhierarchy of the International Edition currently modeled with | technique (attribute) |
- SME verification of the 45 modeled concepts to ensure that the correct concept in the 254291000 | Staging and scales (staging scale) | is currently assigned to | technique (attribute) |

## Out of scope:

- Modeling of 723 child concepts in the 782487009 | Assessment score (observable entity) | subhierarchy currently not modeled using new defining attribute | Using assessment instrument (attribute ) |
- Identification of concepts in 782487009 | Assessment score (observable entity) | subhierarchy with no corresponding concept in the 254291000 | Staging and scales (staging scale) |