

Standardised Mini-Mental State Examination item score code N

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Standardised Mini-Mental State Examination item score code N

Identifying and definitional attributes

Metadata item type:	Value Domain
METEOR identifier:	681424
Registration status:	Health , Standard 25/01/2018
Definition:	A code set representing the score of an item in the Standardised Mini-Mental State Examination (SMMSE) tool completed at the time of clinical assessment, covering a variety of cognitive domains.

Representational attributes

Representation class:	Code	
Data type:	Number	
Format:	N	
Maximum character length:	1	
	Value	Meaning
Permissible values:	0	Score of 0
	1	Score of 1
	2	Score of 2
	3	Score of 3
	4	Score of 4
	5	Score of 5
Supplementary values:	7	Not applicable - item has been omitted
	8	Unknown
	9	Not stated/inadequately described

Collection and usage attributes

Guide for use:

The SMMSE is a clinical assessment tool which is used as a screening test for cognitive impairment (Molloy et al. 1991a).

The SMMSE consists of 12 items or questions which assess a range of cognitive domains, requiring vocal and physical actions (such as memory recall and drawing) in response to reading and listening to commands. Each item has a maximum score:

Question/ Item number	Cognitive domain	Maximum score
1	Orientation - time	5
2	Orientation - place	5
3	Memory - immediate	3
4	Language/attention	5
5	Memory - short	3
6	Language/memory - long	1
7	Language/memory - long	1
8	Language/abstract thinking/verbal fluency	1
9	Language	1
10	Language/attention/comprehension	1
11	Attention/comprehension/follow commands/constructional	1
12	Attention/comprehension/ construction/follow commands	3
Total		30

Scores above 1 are not permissible for items 6–11.

Scores above 3 are not permissible for items 3 and 12.

Scores above 5 are not permissible for items 1, 2 and 4.

The final SMMSE score is a sum of the 12 items, and can range from a minimum of 0 to a maximum of 30. The SMMSE can be adjusted for non-cognitive disabilities.

As outlined in the SMMSE guidelines, if an item cannot be modified or adjusted then the item is omitted, reducing the maximum obtainable score from 30 (Molloy et al. 1991a). The formula— $(\text{Actual score} \times 30) / \text{Maximum obtainable score}$ —is used to readjust the score to be comparable with unadjusted scores.

Source and reference attributes

Submitting organisation: Independent Hospital Pricing Authority

Reference documents: Molloy D, Alemayehy E, & Roberts R 1991a. Reliability of a standardized Mini-Mental State Examination compared with the traditional Mini-Mental state Examination. *American Journal of Psychiatry* 148:102–105.

Molloy D, Alemayehy E, & Roberts R 1991b. The Standardised Mini-Mental State Examination tool. Sydney: Independent Hospital Pricing Authority. Viewed 31 July 2017, <https://www.ihsa.gov.au/sites/g/files/net636/f/publications/smmse-tool-v2.pdf>

Molloy D, Alemayehy E, & Roberts R 2014. The Standardised Mini-Mental State Examination guidelines. Sydney: Independent Hospital Pricing Authority. Viewed 31 July 2017, <https://www.ihsa.gov.au/sites/g/files/net636/f/publications/smmse-guidelines-v2.pdf>

Relational attributes

Related metadata references:

Supersedes [Standardised Mini-Mental State Examination item score code N Health](#), Superseded 25/01/2018

Data elements implementing this value domain:

[Person—level of cognitive ability, Standardised Mini-Mental State Examination item score code N Health](#), Standard 25/01/2018