

Assessment of Cognitive Function in People with an Intellectual Disability

Measurement domain	Assessment measure	Population	Level of ID	Description/structure	Administration
Cognition	Prudhoe Test of Cognitive Function (Margallo-Lana, Moore, Tyrer, Dawson, Jenkins, & Kay, 2003) ⁱ https://research.ncl.ac.uk/pcft/	Adult/ Older Adult	Mild/Moderate	<u>Structure:</u> Assessment of five domains. Three versions of the test are available but all rely heavily on verbal responses. <u>Purpose:</u> Used to test cognitive function and cognitive decline over time. Designed specifically for cognitive assessment of people with an intellectual disability.	<u>Assessed by:</u> Mental health professional <u>Answered by:</u> Direct assessment of person with ID
	Cued Recall Test, adapted (see Devenny, Zimmerli, Kittler, & Krinsky-McHale, 2002 for how to adapt) ⁱⁱ	Adult/ Older Adult	Mild/Moderate	<u>Structure:</u> Memory test that uses verbal communication and pictures. <u>Purpose:</u> Used to assess memory (encoding, recall & retrieval) and captures early cognitive decline associated with Alzheimer's disease in people with mild & moderate intellectual disability.	<u>Assessed by:</u> Mental health professional <u>Answered by:</u> Direct assessment of person with ID
	Fuld Object Memory Test, modified (see Sano, Aisen, Dalton, Andrews, & Tsai, 2005 for how to modify for ID) ⁱⁱⁱ	Adult/ Older Adult	Mild/Moderate/Severe	<u>Structure:</u> Memory test which uses objects rather than pictures. Short testing session. <u>Purpose:</u> Used to assess learning and memory recall. Assists in assessment of cognitive decline in people with an intellectual disability.	<u>Assessed by:</u> Mental health professional <u>Answered by:</u> Direct assessment of person with ID



Executive function	Scrambled boxes test (Ball, Holland, Treppner, Watson, & Huppert, 2008) ^{iv}	Adult/ Older Adult	Mild/Moderate	<p><u>Structure:</u> Neuropsychological assessment where the individual is required to find hidden objects</p> <p><u>Purpose:</u> Used to assess working memory and response inhibition in people with an intellectual disability.</p>	<p><u>Assessed by:</u> Mental health professional</p> <p><u>Answered by:</u> Direct assessment of person with ID</p>
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References

ⁱ Margallo-Lana, M., P. Moore, S. Tyrer, H. Dawson, K. Jenkins, and D. Kay, *The Prudhoe Cognitive Function Test, a scale to assess cognitive function in adults with Down's syndrome: inter-rater and test-retest reliability*. Journal of Intellectual Disability Research, 2003. 47(6): p. 488-492.

ⁱⁱ Devenny, D., E. Zimmerli, P. Kittler, and S. Krinsky-McHale, *Cued recall in early-stage dementia in adults with Down's syndrome*. Journal of Intellectual Disability Research, 2002. 46(6): p. 472-483.

ⁱⁱⁱ Sano, M., P.S. Aisen, A.J. Dalton, H.F. Andrews, and W.Y. Tsai, *Assessment of aging individuals with Down syndrome in clinical trials: Results of baseline measures*. Journal of Policy and Practice in Intellectual Disabilities, 2005. 2(2): p. 126-138

^{iv} Ball, S.L., A.J. Holland, P. Treppner, P.C. Watson, and F.A. Huppert, *Executive dysfunction and its association with personality and behaviour changes in the development of Alzheimer's disease in adults with Down syndrome and mild to moderate learning disabilities*. British Journal of Clinical Psychology, 2008. 47(1): p. 1-29.

