

# COGNITIVE ASSESSMENT SCREENING TOOLS FOR USE IN PRIMARY CARE

Alzheimer’s disease (AD) is the most common cause of dementia.<sup>1</sup> Routine cognitive assessments may facilitate the timely detection of patients with early changes consistent with MCI. Although no single tool is recognized as the “gold standard” for detecting cognitive impairment, routine cognitive assessment in primary care can provide a baseline for cognitive surveillance or a trigger for further evaluation.<sup>2-4</sup>

## CONSIDERATIONS FOR SELECTING ASSESSMENT TOOLS<sup>1,2,5</sup>

**Duration of Assessments**

The shortest assessments may take 2-3 minutes, while others may take 10-15 minutes or even longer

**Ease of Use/Accessibility**

Digital assessments may be more user-friendly and accessible, especially for individuals who have difficulty traveling to or accessing traditional testing facilities

**Quality of the Tool**

Sensitivity to early stages of decline, validation in a primary care or community setting, validated in diverse populations, and ease of interpretation of results

**Administration**

Assessments vary in complexity and training required. Some may be self-reported, whereas others are administered by an HCP and some by non-licensed personnel

**Individual Patient Characteristics**

Some tools are available in multiple languages or designed to minimize cultural or educational bias

**Cost/Other Administrative Issues**

Is the tool freely available to use, or are there any copyright restrictions or associated costs? How difficult/burdensome is any required training?

## EXAMPLES OF BRIEF AND DIGITAL COGNITIVE ASSESSMENT TOOLS<sup>a</sup>

Brief Cognitive Assessment Tools	Brief Cognitive Assessment	No. of Items	Time Taken (min)	Score Range	Interpretation of Scores	Cognitive Domains Accessed					
						Memory	Focus and Working Memory	Orientation	Language	Visuospatial	Executive Function
	MMSE <sup>1,6-8</sup>	30	5-10	0-30	23 or 24 points: Most reported thresholds for cognitive impairment or dementia	✓	✓	✓	✓	✓	-
	MoCA <sup>1,2,9</sup>	12	~10	0-30	Recommended cutoff of <26: Detection of MCI & dementia <sup>b</sup>	✓	✓	✓	✓	✓	✓
	Mini-Cog <sup>1,2,10,11</sup>	3	~3	0-5	≥3: Lower likelihood of dementia <sup>c</sup> ≤2: Higher likelihood of clinically important cognitive impairment	✓	-	-	-	✓	✓
	SLUMS <sup>2,3,12</sup>	11	~7	1-30 <sup>d</sup>	≥27: Normal cognition   21-26: Mild cognitive impairment   <21: Dementia	✓	✓	✓	-	-	✓
	MIS <sup>2,13,14</sup>	4	4	0-8	≤4 or ≤5 points: Reported thresholds for cognitive impairment or dementia	✓	-	-	-	-	-

Digital Cognitive Assessment Tools	Digital Cognitive Assessment	Time Taken (min)	Score Outputs	Cognitive Domains Assessed				
				Visual Memory	Working Memory	Attention	New Learning/ Visual Learning	Psychomotor Function (processing speed & accuracy)
	CANTAB (Mobile®) (CANTAB-PAL) <sup>6,15-18</sup>	8	Overall test accuracy, number of trials to locate patterns, memory scores, and stages completed	✓	-	-	✓	-
	CognICA <sup>19,20</sup>	5	Processing speed and accuracy; probability of cognitive impairment	-	-	-	-	✓
	Cognigram <sup>21-23</sup>	10-15	Overall test accuracy and performance speed are calculated	-	✓	✓	✓	✓

No clinic time required for tests mentioned in above digital cognitive assessment tools. The testing can be completed online.



Although no single tool is recognized as the “gold standard” for detecting cognitive impairment, cognitive assessments in primary care can provide a baseline for your patients or prompt the need for further evaluation.<sup>2-4</sup>

**Disclaimer:** This information is commissioned by Lilly Medical and is intended to be used by HCPs for medical, scientific, and educational purposes. Not for promotional use.

**Notes:** All assessments are administered to the patient. All Digital Cognitive Assessments included have been cleared for marketing by the FDA, do not require a device or special equipment to administer, and take 15 minutes or less for the patient to complete.<sup>24</sup>

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