

Table S1. Terms used on database search.

Database	Search format
SCOPUS (N = 128)	(TITLE-ABS-KEY ("cognitive assessment" OR tool OR screen OR test) AND TITLE-ABS-KEY (stroke) AND TITLE-ABS-KEY (cognitive OR cognition) AND TITLE-ABS-KEY (impairment OR deficit) AND TITLE-ABS-KEY (sensitivity OR specificity) AND NOT TITLE-ABS-KEY (animal OR review OR brain)) AND (LIMIT-TO (DOCTYPE , "ar")) AND (LIMIT-TO (EXACTKEYWORD , "Human")) AND (LIMIT-TO (LANGUAGE , "English"))
Web of Science (N = 230)	TOPIC:((cognitive OR cognition)) AND TOPIC:((screening OR assessment OR tool OR test)) AND TOPIC: ((stroke OR "cerebrovascular accident")) AND TOPIC: (("cognitive impair*" OR "cognitive deficit")) AND TOPIC:(sensitivity OR specificity) Refined by: DOCUMENT TYPES: (ARTICLE)
Science Direct (N = 162)	Timespan: All years. Indexes: SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI. cognitive AND (test OR screen OR assessment OR tool) AND stroke AND sensitivity AND specificity AND impairment
PubMed (N = 786)	(assessment OR screen OR test OR tool) AND (cognitive OR cognition) AND (impairment OR deficit) AND (sensitivity OR specificity) AND (stroke OR CVA) NOT (review OR animal OR randomized OR motor)

Table S2. Detailed report on SE and SP for MMSE, MoCA, and NINDS-CNS 5.

Study	Cut-off value	SE, % (CI)	SP, % (CI)	PPV (CI)	NPV (CI)	AUC (CI)
Dong et al. 2012	MMSE \leq 25/26	88	67	47	94	0.85 (0.80-0.91)
	MoCA \leq 21/22	88	64	45	94	0.86 (0.81-0.91)
	NC vs. VCI-ND + VD					
Tu et al. 2013	MoCA \leq 26/27	96	76	86	93	0.95 (0.93-0.97)
	NC & VCI-ND vs. VD					
	MoCA \leq 16/17	93	96	91	97	0.99 (0.98-1.00)
	Not education-adjusted					
	MoCA \leq 22/23	65	79			0.80 (0.74-0.86)
	Education \leq 6 years					
Wu et al. 2013	MoCA \leq 15	97	47			0.90 (0.83-0.98)
	Education 6-12 years					
	MoCA \leq 22	56	88			0.81 (0.72-0.90)
	Education > 12years					
	MoCA \leq 23	40	100			0.82 (0.68-0.96)
	NCI vs. VCI					
	MMSE \leq 26	71	82	84	67	0.84 (0.80-0.88)
	MoCA \leq 23	78	80	84	72	0.87 (0.83-0.91)
	NCI vs. Amnesic					
Dong et al. 2014	Global MCI					
	MMSE \leq 26	83	82	76	88	0.91 (0.86-0.94)
	MoCA \leq 23	88	80	75	90	0.93 (0.89-0.96)
	NCI vs. Non-amnesic					
	Global MCI					
	MMSE \leq 27	80	64	19	97	0.83 (0.71-0.94)
	MoCA \leq 22	87	88	45	98	0.94 (0.86-1.00)
	NCI vs. Non-amnesic					
	Single MCI					
	MMSE \leq 26	42	82	38	84	0.69
	MoCA \leq 24	69	67	36	89	0.74
Chen et al. 2015	NINDS-CNS 5-Min \leq 23.5	87 (72-95)	73 (57-85)	76 (60-87)	86 (69-95)	0.86 (0.78-0.94)
	NINDS-CNS 5-Min \leq 24	92 (78-98)	68 (52-81)	73 (59-85)	90 (73-97)	
	Baseline					
	MoCA \leq 19/20	88	75	42	98	0.89
Dong et al. 2016	NINDS-CSN 5-Min \leq 7/8	73	75	41	92	0.8
	3-6 months					
	MoCA \leq 20/21	83	80	50	95	0.9
	NINDS-CSN 5-min \leq 7/8	70	83	49	92	0.83
	VCI-ND					
Shen et al. 2016	MMSE \leq 27/28	82	78			0.84 (0.77-0.91)
	MoCA \leq 23/24	86	75			0.88 (0.82-0.95)
Zuo et al. 2016	MoCA \leq 22/23	85	88	91	80	0.85 (0.80-0.95)

Lim et al. 2017	NINDS-CSN 5-Min $\leq 6/7$	82	67	33	95	0.74
Liao et al. 2020	MoCA ≤ 24	63	71	74	60	0.72
Zhu et al. 2020	MMSE ≤ 27	68	82			0.81
	MoCA ≤ 21	64	90			0.82

Notes: MMSE = Mini Mental Status Examination, MoCA = Montreal Cognitive Assessment, NINDS-CNS 5-Min = National Institute of Neurological Disorders and Stroke-Canadian Stroke Network 5-Minute Protocol, NIHSS = National Institute of Health Stroke Severity Scale; CDR = Clinical Dementia Rating, SVI = Subcortical Vascular Ischemic Dementia, VCI = Vascular cognitive impairment; PPV = Positive predictive value, NPV = Negative predictive value, AU = Area under curve, CI = 95% Confidence interval.