

Supplementary Table 1. Demographic, clinical, and MMSE characteristics of participants

Variable	Category	n/Mean	%/SD
Age		73.07	9.32
Gender	Female	166	58.7
	Male	117	41.3
Marital status	Single	33	11.7
	Married	144	50.9
	Divorced	9	3.2
	Widowed	97	34.3
Education level	Illiterate	68	24
	Primary School	134	47.3
	Middle School	7	2.5
	High School	64	22.6
	Postgraduate	10	3.5
Employment status	Employed full-time	8	2.8
	Employed part-time	—	—
	Unemployed	11	3.9
	Never worked	—	—
	Retired	198	70
	Homemaker	66	23.3
Living arrangement	Living alone	49	17.3
	Living with spouse/partner	110	38.9
	Living with family	50	17.7
	Living with adult children	56	19.8
	Institutional/Residential care	18	6.4
Psychiatric comorbidity	No	232	82
	Yes	51	18
Medical comorbidity	No	92	32.5
	Yes	191	67.5
Previous psychiatric visit	No	186	65.7
	Yes	97	34.3
Previous psychiatric hospitalization	No	279	98.6
	Yes	4	1.4
Psychiatric medication use	No	193	68.2
	Yes	90	31.8
Legal capacity	No	31	10.9
	Yes	252	89.1
MMSE total		26.09	3.65
Immediate registration		2.89	0.42
Attention/Calculation		3.99	1.32
Delayed recall		2.29	0.99
Orientation		8.78	1.65
Language		8.1	1.06

Supplementary Table 2. Diagnostic performance of MMSE total score, subdomains, and logistic regression models for legal decision-making capacity

Model	Cut-off	Sensitivity	Specificity	Accuracy	PPV	NPV	LR +	LR-	DOR
MMSE total	20.5	0.97 (0.95–0.99)	0.86 (0.64–0.97)	0.96 (0.94–0.98)	0.99 (0.97–1.00)	0.72 (0.51–0.88)	6.81 (2.39–19.43)	0.03 (0.01–0.07)	218.6 (52.1–917.5)
Orientation total	7.5	0.88 (0.84–0.92)	0.95 (0.76–1.00)	0.89 (0.84–0.92)	1.00 (0.98–1.00)	0.39 (0.26–0.54)	18.52 (2.73–125.45)	0.12 (0.09–0.18)	149.0 (19.3–1149.7)
Registration	2.5	0.95 (0.92–0.97)	0.33 (0.15–0.57)	0.90 (0.86–0.94)	0.95 (0.91–0.97)	0.35 (0.15–0.59)	1.43 (1.05–1.93)	0.15 (0.07–0.33)	9.58 (3.30–27.78)
Attention/Calculation	2.5	0.90 (0.86–0.94)	0.71 (0.48–0.89)	0.89 (0.85–0.92)	0.98 (0.95–0.99)	0.38 (0.23–0.54)	3.17 (1.61–6.23)	0.13 (0.08–0.21)	23.70 (8.44–66.56)
Recall	1.5	0.86 (0.81–0.90)	0.62 (0.38–0.82)	0.84 (0.79–0.88)	0.97 (0.93–0.99)	0.26 (0.15–0.40)	2.25 (1.30–3.90)	0.23 (0.15–0.36)	9.88 (3.83–25.47)
Language total	7.5	0.82 (0.76–0.86)	0.62 (0.38–0.82)	0.80 (0.75–0.85)	0.96 (0.93–0.98)	0.21 (0.12–0.34)	2.14 (1.24–3.71)	0.30 (0.19–0.45)	7.24 (2.85–18.45)
Model 1 — MMSE total (prob)	0.731	0.97 (0.95–0.99)	0.86 (0.64–0.97)	0.96 (0.94–0.98)	0.99 (0.97–1.00)	0.72 (0.51–0.88)	6.81 (2.39–19.43)	0.03 (0.01–0.07)	218.6 (52.1–917.5)
Model 3 — MMSE + age + gender (prob)	0.918	0.94 (0.91–0.97)	0.90 (0.70–0.99)	0.94 (0.91–0.96)	0.99 (0.97–1.00)	0.56 (0.38–0.73)	9.90 (2.65–37.00)	0.06 (0.04–0.11)	156.4 (33.3–735.2)
Model 4 — + education (prob)	0.962	0.90 (0.86–0.94)	0.95 (0.76–1.00)	0.91 (0.87–0.94)	1.00 (0.98–1.00)	0.44 (0.30–0.60)	18.99 (2.80–128.69)	0.10 (0.07–0.15)	189.6 (24.4–1473.2)

Abbreviations: MMSE = Mini-Mental State Examination; PPV = positive predictive value; NPV = negative predictive value; LR+ = positive likelihood ratio; LR- = negative likelihood ratio; DOR = diagnostic odds ratio; CI = confidence interval.

Sensitivity, specificity, accuracy, PPV, NPV, LR+, LR-, and DOR are reported with 95% confidence intervals in parentheses. Optimal cut-off values were determined using the Youden Index.