

Supplementary Material

Brief Cognitive Tests Used in Primary Care Cannot Accurately Differentiate Mild Cognitive Impairment from Subjective Cognitive Decline

Supplementary Table 1. Characteristics of the training and validation samples

Characteristic	Training sample	Validation sample	p
N	326	140	
Age mean, y	70.8 (5.5)	69.9 (5.7)	0.10
Female sex, N (%)	140 (42.9%)	73 (52.1%)	0.068
Education, y	11.65 (3.4)	11.73 (3.4)	0.821
Stroke, n (%)	45 (13.8%)	19 (13.6%)	0.947
Hypertension, n (%)	100 (30.7%)	46 (32.9%)	0.641
Diabetes (n (%))	30 (9.2%)	13 (9.3%)	0.985
Ischemic heart disease (n (%))	47 (14.4%)	17 (12.1%)	0.506
Atrial fibrillation (n (%))	29 (6.1%)	9 (6.4%)	0.911
Congestive heart failure (n (%))	3 (0.9%)	3 (2.1%)	0.285
Hyperlipemia (n (%))	32 (9.8%)	14 (10%)	0.959
ApoE ε4 carrier (n (%))	64 (45.7%)	145 (44.5%)	0.805
MMSE, points	27.56 (1.83)	27.84 (1.78)	0.144
AQT	83.63 (28.4)	78.99 (26.7)	0.038
Clock Drawing Test	4.23 (1.0)	4.23 (1.1)	0.820
SCD/MCI (n)	145/181	63/77	0.917
MCI subtype			
Amnesic MCI single domain	75 (23%)	32 (22.9%)	0.972
Amnesic MCI multidomain	63 (19.3%)	21 (15%)	0.267
Non-amnesic MCI single domain	32 (9.8%)	15 (10.7%)	0.768
Non-amnesic MCI multidomain	10 (3.1%)	9 (6.4%)	0.093
MCI not subclassified	1 (0.3%)	0 (0.0%)	///////

Supplementary Table 2. Internal cross-validation of MCI prediction in the total population using logistic regression models

Cognitive test in model	Mean AUC (95% CI)	Mean Accuracy (95% CI)
MMSE	0.74 (0.58-0.90)	66.5% (52.6-76.6%)
CDT	0.66 (0.51-0.80)	60.6% (49.4-70.2%)
AQT	0.67 (0.51-0.84)	63.0% (52.2-74.5%)
MMSE and CDT	0.75 (0.60-0.90)	68.0% (57.5-77.8%)
MMSE and AQT	0.75 (0.60-0.91)	67.6% (55.9-79.7%)
MMSE, CDT, and AQT	0.76 (0.61-0.90)	69.8% (58.7-78.7%)

Mean, 95% CIs were based on the results of the 10-fold cross-validation iterated 5 times (i.e. from 50 samples), where the 95% CIs were established based on the mean \pm 1.97 standard errors. MMSE, Mini-Mental State Examination; AQT, A Quick Test of Cognitive Speed; CDT, Clock Drawing Test; CI, confidence interval.