

# Supplementary Material

## Comparison of the Six Item Cognitive Impairment Test (6CIT) to Commonly-Used Short Cognitive Screening Instruments in a Memory Clinic Population

**Supplementary Table 1.** Comparison of unweighted and weighted positive likelihood ratio (PLR) and negative likelihood ratio for different cut-off scores for the Six-Item Cognitive Impairment Test (6CIT), Quick Mild Cognitive Impairment (Qmci) screen and Montreal Cognitive Assessment (MoCA)

Instrument	Cut-off	Youden's Index	Unweighted PLR (95% CI)	Unweighted NLR (95% CI)	Weighted PLR (95% CI)	Weighted NLR (95% CI)
6CIT	≥6	0.667	5.7 (2.0-16.2)	0.22 (0.15-0.33)	32.7 (10.7-99.6)	1.3 (0.92-1.78)
	≥7 <sup>^</sup>	0.673	8.1 (2.15-30.3)	0.26 (0.18-0.36)	46.5 (11.8-183)	1.5 (1.1-2.0)
	≥8	0.633	7.6 (2.0-28.7)	0.3 (0.2-0.40)	44 (11.2-173)	1.7 (1.3-2.3)
	≥9*	0.630	14.2 (2.1-97.7)	0.34 (0.26-0.44)	82 (11.7-575)	1.95 (1.5-2.5)
	≥10	0.622	14.1 (2.1-95.6)	0.35 (0.27-0.45)	81 (11.5-568)	2 (1.57-2.55)
Qmci screen	<62*	0.774	9.4 (2.5-35.1)	0.12 (0.07-0.20)	54 (13.7-213)	0.68 (0.43-1.1)
	<61	0.797	9.2 (2.5-34.4)	0.14 (0.08-0.22)	53 (13.4-209)	0.79 (0.52-1.2)
	<60	0.781	18.5 (2.66-122.4)	0.15 (0.09-0.23)	104 (14.8-731)	0.85 (0.57-1.26)
	<59	0.812	17.7 (2.6-120)	0.16 (0.11-0.25)	102 (14.5-712)	0.95 (0.66-1.4)
	<58	0.795	17.5 (2.6-118.9)	0.17 (0.12-0.26)	101 (14.4-710)	1 (0.7-1.4)
	<57	0.787	NA (NA)	0.17 (0.12-0.26)	NA (NA)	1 (0.7-1.4)
	<56 <sup>^</sup>	0.826	NA (NA)	0.19 (0.13-0.28)	NA (NA)	1.1 (0.79-1.5)
	MoCA	<26*	0.269	1.7 (1.2-2.5)	0.06 (0.02-0.2)	9.83 (5.7-16.9)
<25		0.404	2.2 (1.35-3.64)	0.09 (0.04-0.20)	12.8 (6.8-24)	0.5 (0.25-1)
<24		0.522	2.2 (1.3-3.5)	0.13 (0.06-0.26)	12.4 (6.6-23.4)	0.75 (0.43-1.32)
<23		0.497	3.75 (1.74-8.1)	0.14 (0.08-0.24)	21.6 (9.2-51)	0.81 (0.51-1.3)
<22		0.654	5.9 (2.1-16.9)	0.18 (0.12-0.28)	34 (11.1-104)	1.1 (0.73-1.5)
<21 <sup>^</sup>		0.700	5.5 (1.9-15.7)	0.25 (0.18-0.36)	31.7 (10.4-96.5)	1.4 (1.1-2.0)

\*Recommended cut-off score; <sup>^</sup>Optimal cut-off based on Youden's Index