

G.1.2.2 Delirium Index (DI)

No. of studies	Study design	Sample size	Sensitivity (95%CI)	Specificity (95%CI)	Effect size (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Quality
To distinguish Delirium and Delirium superimposed on Dementia from Dementia										
>2 DI symptoms										
1 (Cole)	Prospective cohort	262	89.3% (84.2, 93.5)	29.8% (21.0, 39.4)	LR+ 1.27 (1.10, 1.47)	Serious ¹	N/A	Not serious	Not serious	Moderate
					LR- 0.36 (0.21, 0.61)	Serious ¹	N/A	Not serious	Serious ²	Low
>3 DI symptoms										
1 (Cole)	Prospective cohort	262	73.2% (66.3, 79.6)	57.4% (47.4, 67.2)	LR+ 1.72 (1.34, 2.21)	Serious ¹	N/A	Not serious	Serious ²	Low
					LR- 0.47 (0.34, 0.63)	Serious ¹	N/A	Not serious	Serious ²	Low
>4 DI symptoms										
1 (Cole)	Prospective cohort	262	56.5% (49.0, 63.9)	85.1% (77.3, 91.5)	LR+ 3.80 (2.30, 6.27)	Serious ¹	N/A	Not serious	Not serious	Moderate
					LR- 0.51 (0.42, 0.62)	Serious ¹	N/A	Not serious	Serious ²	Low
To distinguish Delirium from Delirium superimposed on Dementia										
>2 DI symptoms										
1 (Cole)	Prospective cohort	262	82.4% (69.5, 92.5)	8.6% (4.4, 14.0)	LR+ 0.90 (0.78, 1.05)	Serious ¹	N/A	Not serious	Not serious	Moderate
					LR- 2.04 (0.85, 4.9)	Serious ¹	N/A	Not serious	Serious ²	Low
>3 DI symptoms										

No. of studies	Study design	Sample size	Sensitivity (95%CI)	Specificity (95%CI)	Effect size (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Quality
1 (Cole)	Prospective cohort	262	60.0% (44.6, 74.4)	22.7% (15.9,30.3)	LR+ 0.78 (0.59, 1.02)	Serious ¹	N/A	Not serious	Not serious	Moderate
					LR- 1.78 (1.08, 2.90)	Serious ¹	N/A	Not serious	Serious ²	Low
>4 DI symptoms										
1 (Cole)	Prospective cohort	262	60.9% (52.4, 69.2)	57.5% (42.1, 72.2)	LR+ 1.43 (0.97, 2.11)	Serious ¹	N/A	Not serious	Serious ²	Low
					LR- 0.68 (0.48, 0.96)	Serious ¹	N/A	Not serious	Serious ²	Low
1. Unclear if people administering DI were blinded to DSM diagnosis 2. 95% confidence interval for likelihood ratio crosses one end of a defined MID interval – (0.5, 2)										