

Table O.3: Mild/moderate learning disability versus severe/profound learning disability as a risk factor for challenging behaviour

Quality assessment							Summary of findings				
Participant s (studies) Follow up	Risk of bias	Inconsistenc y	Indirectnes s	Imprecisio n	Publicatio n bias	Overall quality of evidence	Study event rates (%)		Relativ e effect (95% CI)	Anticipated absolute effects	
							With Mild/ moderate LD	With Severe/profoun d LD		Risk with Mild/ moderat e LD	Risk difference with Severe/profoun d LD (95% CI)
All aggression (physical, verbal and destructive) (assessed with: Validated questionnaires)											
1918 (2 studies)	no serio	very serious ¹	no serious indirectnes	no serious	undetected	⊕⊖⊖⊖ VERY LOW ¹	300/1398 (21.5%)	111/520 (21.3%)	OR 1.70	215 per 1000	103 more per 1000

Challenging behaviour and learning disabilities

Quality assessment						Summary of findings					
	us risk of bias		s	imprecision		due to inconsistency			(0.81 to 3.57)		(from 33 fewer to 279 more)
Challenging behaviour (global) (assessed with: Survey)											
822 (1 study)	no serious risk of bias	no serious inconsistency	no serious indirectness	serious ²	undetected	⊕⊕⊖⊖ LOW ^{2,3} due to imprecision, large effect	40/604 (6.6%)	51/218 (23.4%)	OR 4.31 (2.75 to 6.74)	66 per 1000	168 more per 1000 (from 97 more to 257 more)
Destruction of property (assessed with: Validated questionnaire)											
3160 (1 study) 12 months	no serious risk of bias	no serious inconsistency	no serious indirectness	serious ²	undetected	⊕⊖⊖⊖ VERY LOW ² due to imprecision	496/2165 (22.9%)	259/995 (26%)	OR 1.18 (1 to 1.41)	229 per 1000	31 more per 1000 (from 0 more to 66 more)
Inappropriate sexual behaviour (assessed with: Validated questionnaire)											
3160 (1 study) 12 months	no serious risk of bias	no serious inconsistency	no serious indirectness	serious ²	undetected	⊕⊖⊖⊖ VERY LOW ² due to imprecision	211/2165 (9.7%)	99/995 (9.9%)	OR 1.02 (0.8 to 1.32)	97 per 1000	2 more per 1000 (from 18 fewer to 27 more)
Physical aggression – inpatient setting (assessed with: Survey)											
11139 (1 study)	no serious risk of bias	no serious inconsistency	serious ⁴	serious ²	undetected	⊕⊖⊖⊖ VERY LOW ^{2,4} due to indirectness, imprecision	731/2485 (29.4%)	1885/8654 (21.8%)	OR 0.67 (0.6 to 0.74)	294 per 1000	76 fewer per 1000 (from 58 fewer to 94 fewer)
Physical aggression – mixed setting (assessed with: Validated questionnaires, interviews, observations and medical records)											
43864 (6 studies)	no serious risk of bias	very serious ¹	no serious indirectness	no serious imprecision	undetected	⊕⊖⊖⊖ VERY LOW ¹ due to	2831/20794 (13.6%)	4189/23070 (18.2%)	OR 1.76 (1.4 to	136 per 1000	81 more per 1000 (from 45 more

Quality assessment							Summary of findings				
	risk of bias			n		inconsistency			2.2)		to 121 more)
Self-injury (assessed with: Validated questionnaires, surveys and medical records)											
85888 (12 studies) 0 to 36 months	no serious risk of bias	very serious ¹	no serious indirectness	no serious imprecision	undetected	⊕⊖⊖⊖ VERY LOW ^{1,3} due to inconsistency, large effect	2144/40811 (5.3%)	7584/45077 (16.8%)	OR 3.75 (2.62 to 5.38)	53 per 1000	120 more per 1000 (from 74 more to 177 more)
Stereotypy (assessed with: Validated questionnaires and surveys)											
23946 (4 studies)	no serious risk of bias	very serious ¹	no serious indirectness	no serious imprecision	undetected	⊕⊖⊖⊖ VERY LOW ^{1,3} due to inconsistency, large effect	1153/17847 (6.5%)	2740/6099 (44.9%)	OR 6.38 (1.42 to 28.65)	65 per 1000	241 more per 1000 (from 25 more to 600 more)
Verbal aggression (assessed with: Validated questionnaire)											
3160 (1 study)	no serious risk of bias	no serious inconsistency	no serious indirectness	serious ²	undetected	⊕⊖⊖⊖ VERY LOW ² due to imprecision	896/2165 (41.4%)	293/995 (29.4%)	OR 0.59 (0.5 to 0.69)	414 per 1000	120 fewer per 1000 (from 86 fewer to 153 fewer)
¹ I ² > 75% ² Optimal information size not met; single study ³ RR > 2 ⁴ Partial applicability to review population – high risk inpatient											