

Table O.7: Mental health needs versus no mental health needs as a risk factor for challenging behaviour

Quality assessment							Summary of findings				
Participants (studies) Follow up	Risk of bias	Inconsistency	Indirectness	Imprecision	Publication bias	Overall quality of evidence	Study event rates (%)		Relative effect (95% CI)	Anticipated absolute effects	
							With no mental health needs	With mental health needs		Risk with no mental health needs	Risk difference with mental health needs (95% CI)
All aggression (physical, verbal and destructive) (assessed with: Validated questionnaire)											
1938 (2 studies)	no serious risk of bias	no serious inconsistency	no serious indirectness	no serious imprecision	undetected	⊕⊕⊖⊖ LOW	377/1837 (20.5%)	38/101 (37.6%)	OR 2.03 (1.3 to 3.15)	205 per 1000	139 more per 1000 (from 46 more to 243 more)
Destruction of property (assessed with: Validated questionnaire and survey)											
30874 (2 studies)	no serious risk of bias	very serious ¹	no serious indirectness	no serious imprecision	undetected	⊕⊖⊖⊖ VERY LOW ¹ due to inconsistency	0/30874 (0%) ²	-2	Not estimable	See comment ²	-

Quality assessment						Summary of findings					
Physical aggression (assessed with: Validated questionnaire and survey)											
30874 (2 studies)	no serious risk of bias	very serious ¹	no serious indirectness	no serious imprecision	undetected	⊕⊖⊖⊖ VERY LOW ¹ due to inconsistency	0/30874 (0%) ²	-2	Not estimable	See comment ²	-
Self-injury (assessed with: Validated questionnaires and survey)											
32516 (3 studies)	no serious risk of bias	no serious inconsistency	no serious indirectness	no serious imprecision	undetected	⊕⊕⊖⊖ LOW	2690/28860 (9.3%)	450/3656 (12.3%)	OR 1.4 (1.26 to 1.56)	93 per 1000	33 more per 1000 (from 21 more to 45 more)
Stereotypy (assessed with: Validated questionnaire and survey)											
31493 (2 studies)	no serious risk of bias	no serious inconsistency	no serious indirectness	no serious imprecision	undetected	⊕⊕⊖⊖ LOW	1970/27876 (7.1%)	293/3617 (8.1%)	OR 1.26 (1.1 to 1.43)	71 per 1000	17 more per 1000 (from 7 more to 27 more)
Verbal aggression (assessed with: Validated questionnaire and survey)											
30874 (2 studies)	no serious risk of bias	no serious inconsistency	no serious indirectness	no serious imprecision	undetected	⊕⊕⊕⊖ MODERATE ³ due to large effect	0/30874 (0%) ²	-2	Not estimable	See comment ²	-
¹ I ² > 75% ² N/A; Generic inverse variance ³ RR > 2											