

Table 5: included systematic reviews of interventions to reduce future offending or improve outcomes for children at high risk of offending

Study	Approach(es)	Outcome(s)	Number of studies where age range or mean age of participants between 8 and 13 years. Total number of included studies	Total number of participants where age range or mean age 8-13 years. Total number of included participants	Autho
Riise 2021	Cognitive Behavioural Therapy	Symptoms of CD, Oppositional Defiant Disorder and ADHD	51/51	Unclear/5295	"treatr
Florean 2020	Online parenting programmes	Reduction in child behavioural problems; secondary measures of parental outcomes (stress etc)	15/15	Unclear/1668	"Onlin reduc comp
Granski 2020	Cognitive skills training, behaviour modification, family systems approaches	Delinquency, recidivism, mental health	29/29	Unclear/28483	"The o positiv multin length
Wilson 2018	Police-led diversionary practices	Delinquency	19/19	Unclear/6282 (plus similar in control group)	"The f the us with li juveni and p progra addre
Waddell 2018	Prevention programmes (including parenting programmes and family support), psychosocial (including Multi Systemic Therapy, Treatment Foster Care), and pharmacological	Symptoms of CD and Oppositional Defiant Disorder	37/37	421/7692	"5 pro sympt Fast T Mana Presc to 35 interve (Incre crimin Multic Multis benef

hor conclusions

atments are effective in real-world settings"

line parenting interventions are effective in ucing children's behavior problems when apared with a control group"

e overall mean effect size for programs...was itive and moderate" "Most effective were timodal, cognitive skills or family systems, gth-intensive, for younger children"

e findings from this systematic review support use of police-led diversion for low-risk youth limited or no prior involvement with the enile justice system. Thus, police departments policy-makers should consider diversionary grams as part of the mix of solutions for ressing youth crime."

programmes reduced serious behaviour nptoms such as criminal activity (Coping Power; at Track; Nurse-Family Partnership, Parent nagement Training–Oregon and Perry school). Prevention benefits were long term, up 5 years. For psychosocial treatment, 1 rvention reduced behavioural diagnoses credible Years) while 3 interventions reduced hinal activity (Brief Intervention; tidimensional Treatment Foster Care and tisystemic Therapy). Psychosocial treatment hefits lasted from 1 to 8 years."

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Valdebenito 2018	School based	School exclusion and antisocial behaviour	Unclear/37	Unclear/31273	"scho reduo for a prom ment traini
Bakker 2017	Psychosocial interventions (e.g. parenting programmes, behavioural interventions, parent-child interaction therapy)	Behavioural difficulties (e.g. clinical range on SDQ and CBCL), Parent/teacher reported CD	10/17 (relating to 19 interventions)	Unclear/1999	"Psyo reduc probl CD p Not e over
Loy 2017	Pharmacological (Atypical Antipsychotics)	Aggression and Conduct problems measured using validated tools	10/10	Unclear/896	"Thei rispe probl beha this ii weigl
Wilson 2016	Juvenile curfew	Juvenile crime or juvenile victimization	12/1212	N/A	"Evid reduc
Tolan 2013	Mentoring	Delinquency	23/46	Unclear/c1807	"sugg mode acade simila
de Vries 2015	Mixed including restorative justice, treatment foster care, mentoring, psychosocial and behavioural interventions.	Persistent delinquent behaviour, outcomes varied by study but are not reported in detail	12 w mean age <14 (some unknown)/39	Unclear/c4500 (plus similar in control groups)	"Prev preve deline orien forma matc

chool-based interventions are effective at ducing school exclusion immediately after, and a few months after, the intervention... more omising [interventions are] those involving entoring/monitoring and those targeting skills ining for teachers."

sychological treatments have a small effect in lucing parent-, teacher- and observer-rated CD oblems in children and adolescents with clinical problems/diagnosis.

t enough evidence to support one treatment er another."

here is some evidence that in the short term beridone may reduce aggression and conduct oblems in children and youths with disruptive haviour disorders There is also evidence that is intervention is associated with significant ight gain."

vidence suggests that juvenile curfews do not luce crime or victimization."

ggests mentoring for high-risk youth has a dest positive effect for delinquency and ademic functioning, with trends suggesting hilar benefits for aggression and drug use."

evention programs have positive effects on eventing persistent juvenile inquency...interventions should be behavioralented, delivered in a family or multimodal mat, and the intensity of the program should be taked to the level of risk of the invenile"

tched to the level of risk of the juvenile"

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Pringsheim 2015a	Pharmacological (psychostimulants, alpha-2 agonists, and atomoxetine)	CD and aggression	1/11	25/5464	"The has a cond witho evide effec ADH quali effec ADH
Sawyer 2015	Psychosocial interventions (e.g. individual or family therapy)	Antisocial behaviour e.g. criminal behaviour, delinquency, aggression, oppositional defiant disorder or CD symptoms, disruptive behaviours, problem sexual behaviours, or general externalizing behaviours.	42 with mean age < 14 years/66	Unclear/11645	"a br demo beha inter
Stein 2013	Drug Treatment Court	Recidivism	Unclear/29	Unclear/7559	"trend differ succe those
von Sydow 2013	Systemic Family Therapy	CD, Delinquency, ADHD symptoms	47	Not specified	"The syste their disor

here is very-low-quality evidence that clonidine is a small effect on oppositional behaviour and induct problems in youth with ADHD, with and hout ODD or CD. There is moderate-quality idence that guanfacine has a small-to-moderate ect on oppositional behaviour in youth with OHD, with and without ODD. There is highality evidence that atomoxetine has a small ect on oppositional behaviour in youth with OHD, with and without ODD or CD."

broad range of youth psychosocial interventions monstrated modest effects on antisocial havior...for at least one year beyond the end of erventions"

end in the available studies was the dramatic ference in recidivism rates for adolescents who cceed in graduating from drug court, relative to ose who do not."

here is a sound evidence base for the efficacy of stemic therapy for children and adolescents (and eir families) diagnosed with externalizing sorders"