

Appendix 16: Clinical evidence forest plots

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Child interventions

Figure 1: Cognitive problem-solving skills training (CPSS) versus control

Review: ASPD: Cognitive Problem Solving Skills Training
 Comparison: 01 CPSS vs Control
 Outcome: 01 Behaviour (end of treatment)

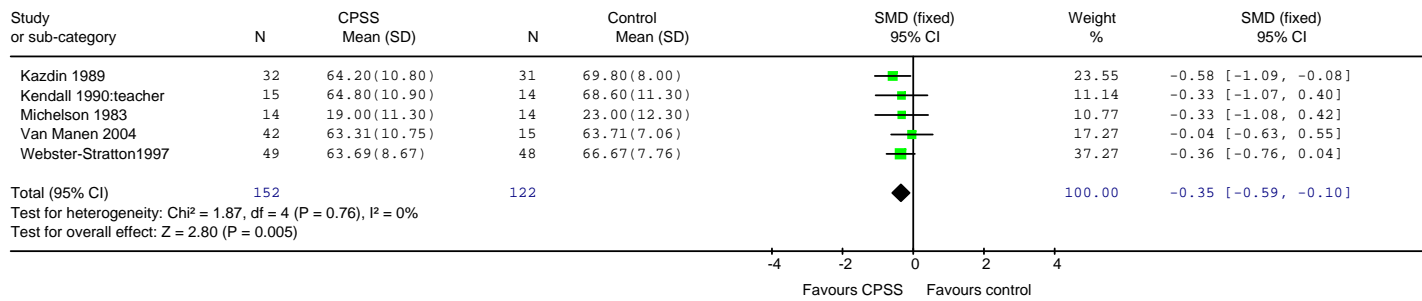


Figure 2: Anger control training versus control

Review: ASPD: Anger Control Training
 Comparison: 01 Anger control training vs control
 Outcome: 01 Total behaviour problems

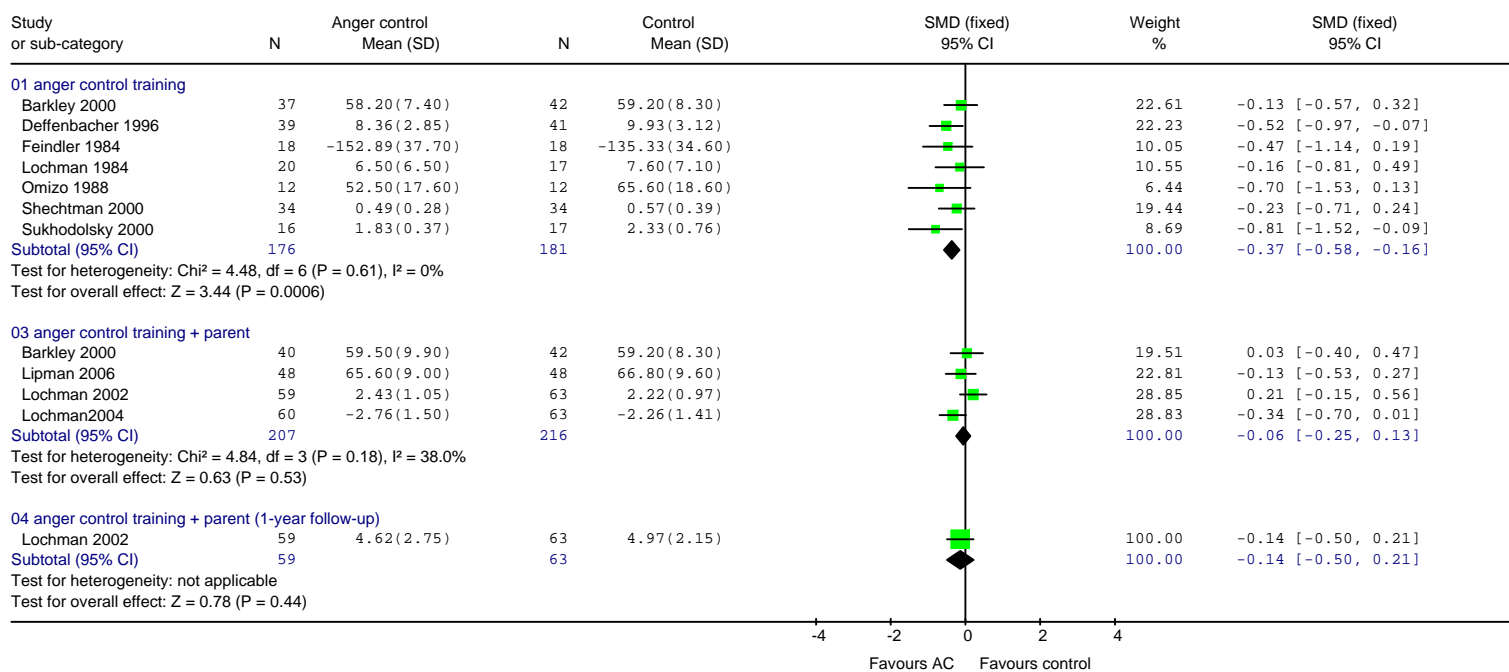
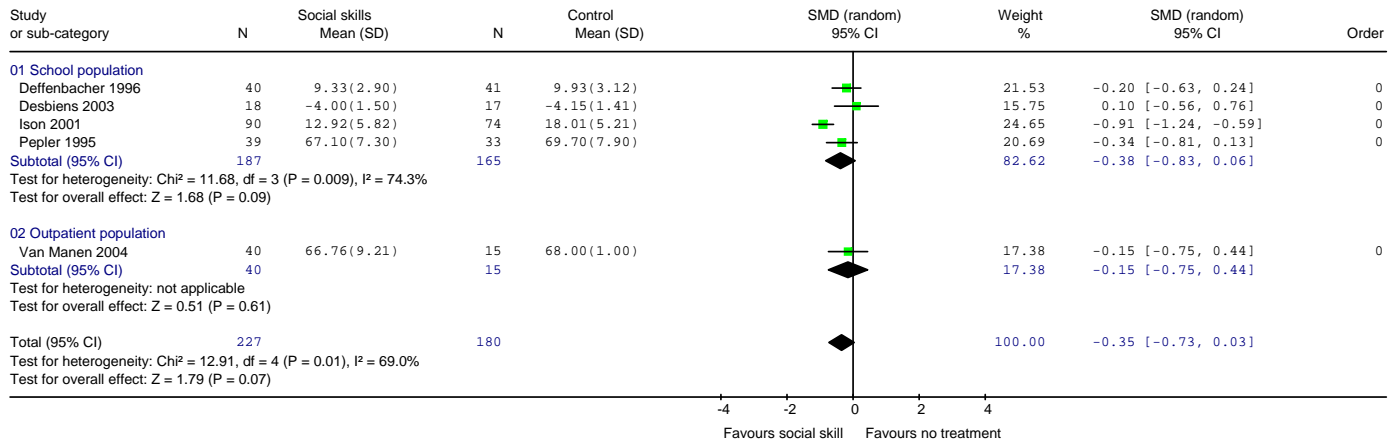


Figure 3: Social skills training versus control

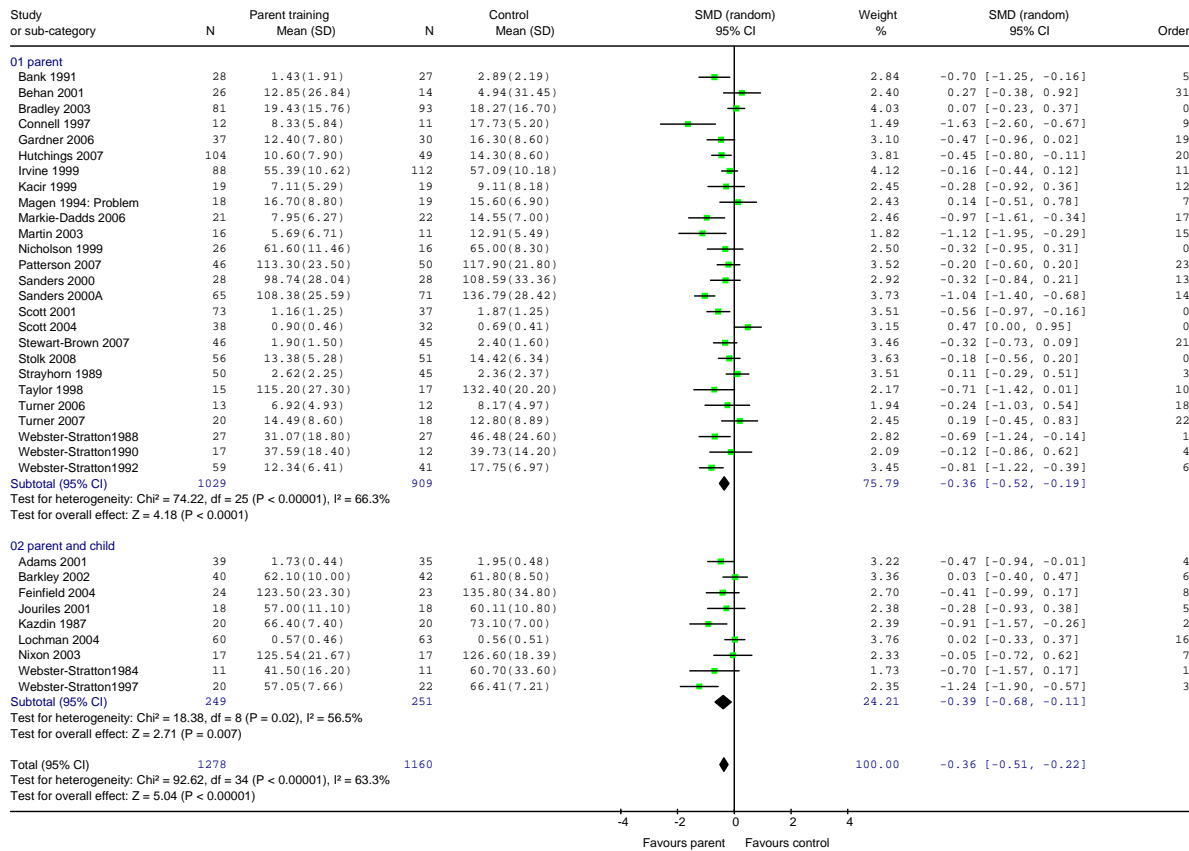
Review: ASPD: Social Skills
 Comparison: 01 Social skills training vs Control
 Outcome: 01 Total behaviour problems



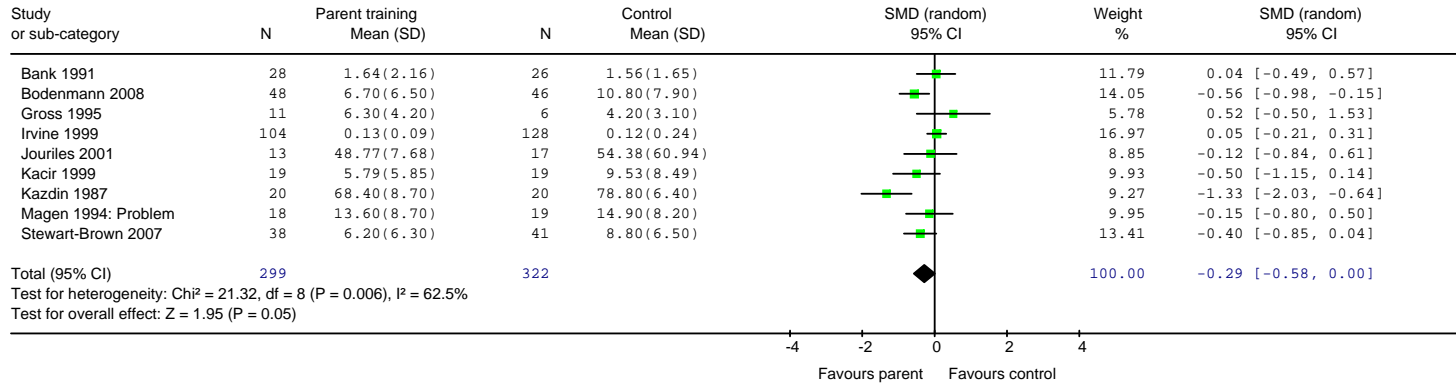
Parent interventions

Figure 4: Parent training programmes versus control

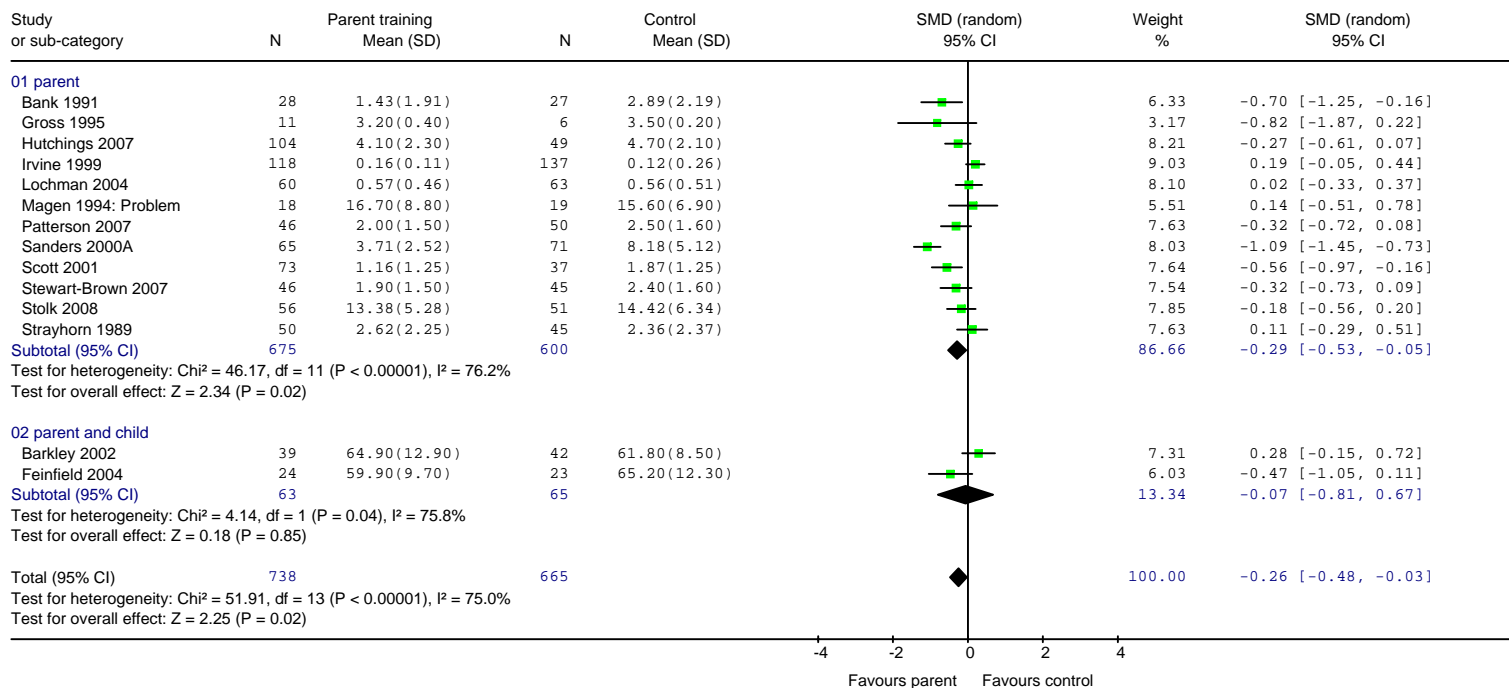
Review: ASPD: Parent training
 Comparison: 01 Parent training vs Waitlist Control
 Outcome: 01 Total behaviour problems (end of treatment)



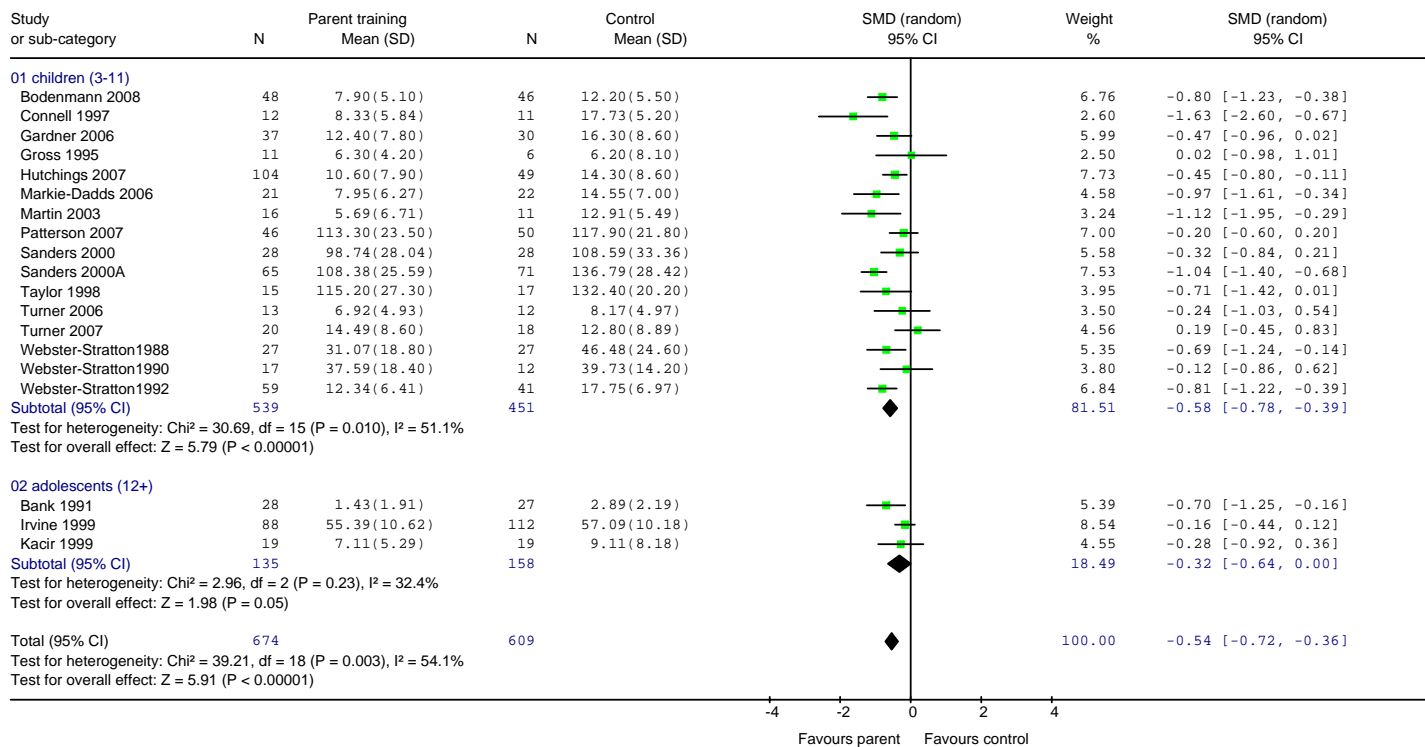
Review: ASPD: Parent training
 Comparison: 01 Parent training vs Waitlist Control
 Outcome: 03 Behaviour (follow up)



Review: ASPD: Parent training
 Comparison: 01 Parent training vs Waitlist Control
 Outcome: 02 Conduct/ODD specific behaviour (end of treatment)



Review: ASPD: Parent training
 Comparison: 01 Parent training vs Waitlist Control
 Outcome: 08 Total behaviour problems (subgroup analysis by age)



Review: ASPD: Parent training
 Comparison: 01 Parent training vs Waitlist Control
 Outcome: 10 Total behaviour problems (subgroup analysis: level of risk)

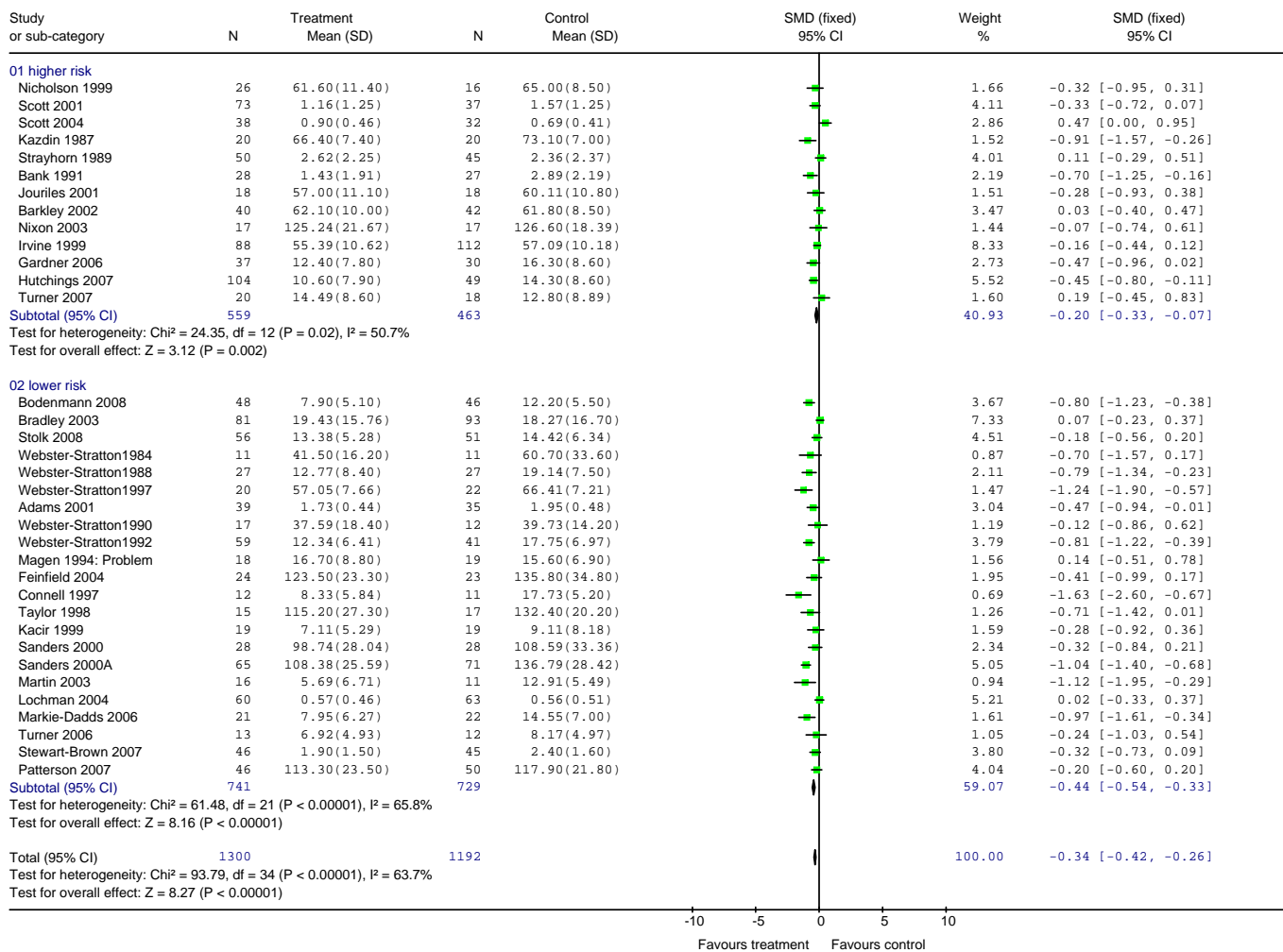
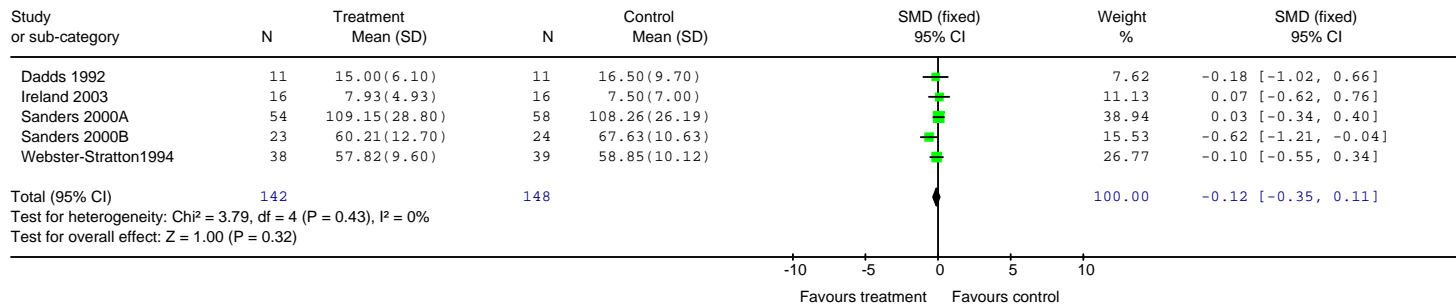
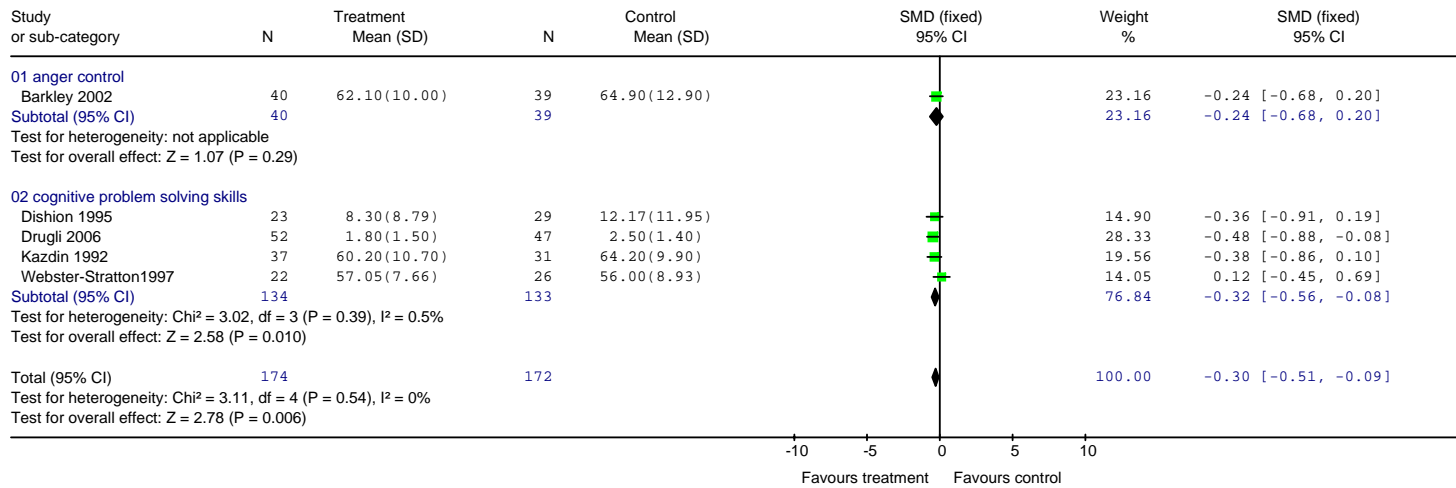


Figure 5: Parent training programmes with additional intervention versus parent training programmes alone

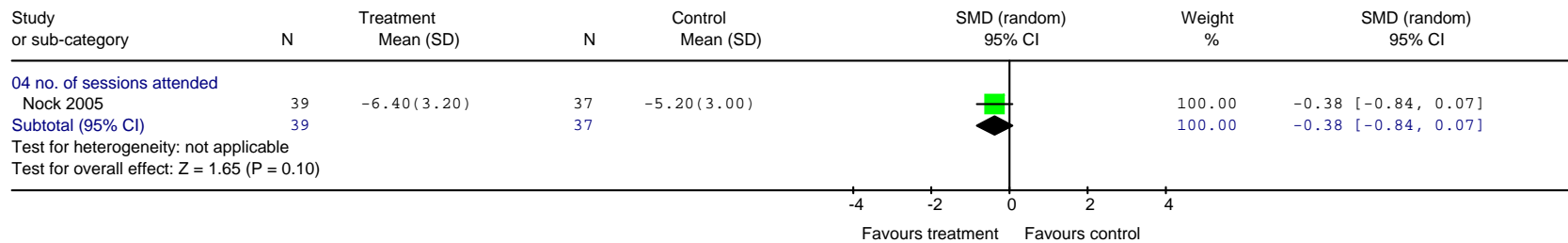
Review: ASPD: Parent training
 Comparison: 02 Components of parent training
 Outcome: 01 parent training + parent intervention vs parent training



Review: ASPD: Parent training
 Comparison: 02 Components of parent training
 Outcome: 02 parent training + child intervention vs parent training



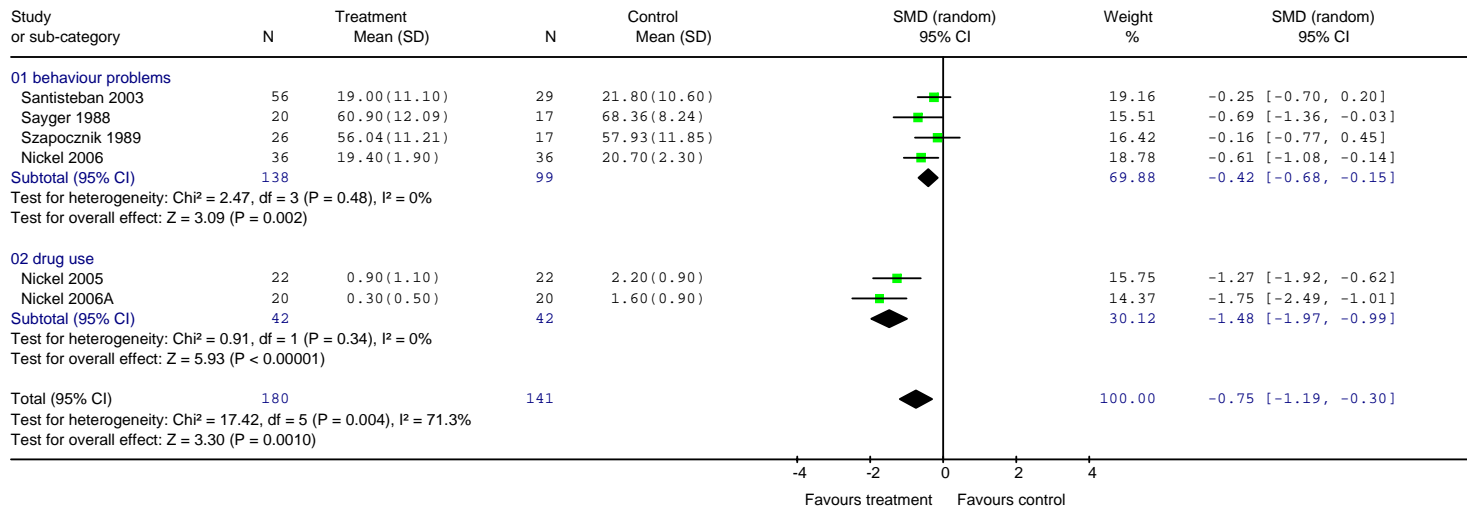
Review: ASPD: Parent training
 Comparison: 02 Components of parent training
 Outcome: 03 Enhanced parent training (attrition)



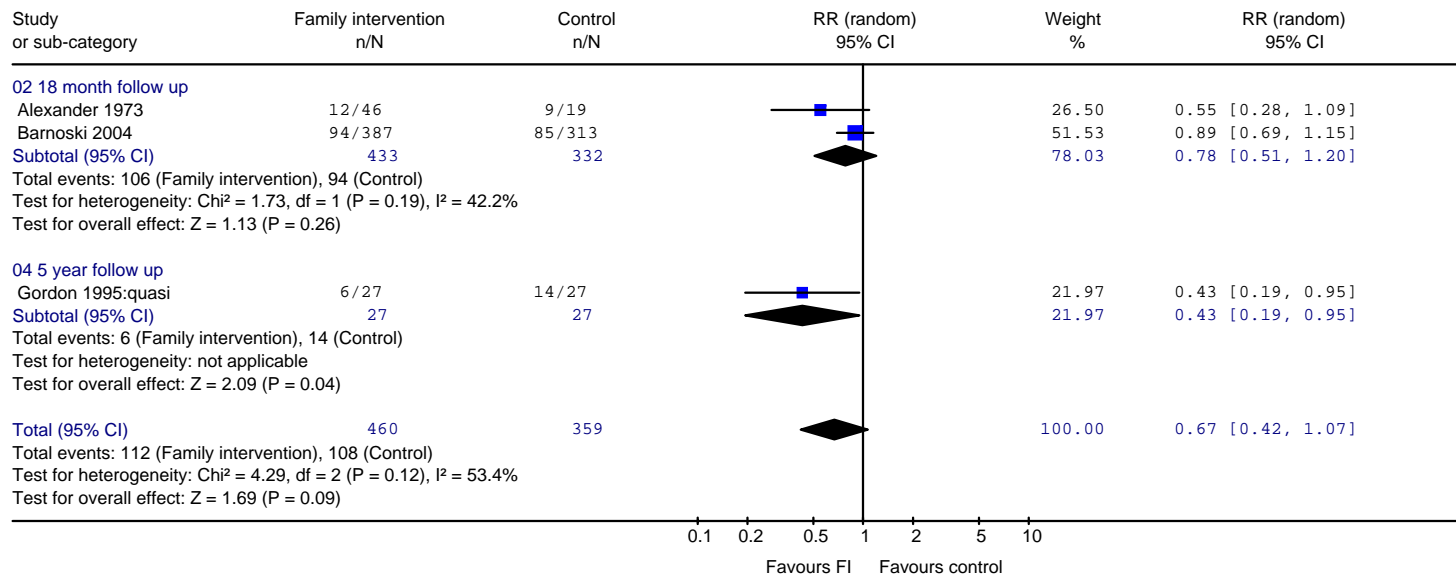
Family interventions

Figure 6: Family interventions versus control

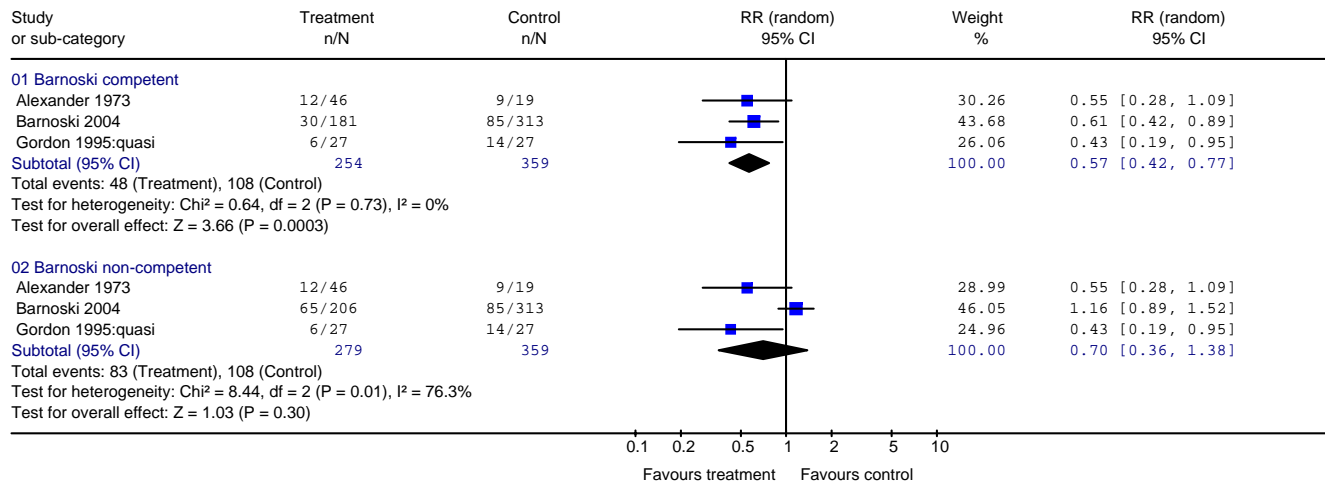
Review: ASPD: Family Interventions
 Comparison: 01 Family intervention vs Control
 Outcome: 01 Family interventions: Behaviour scales (end of treatment)



Review: ASPD: Family Interventions
 Comparison: 01 Family intervention vs Control
 Outcome: 02 FFT: Risk of re-arrest (offender population)



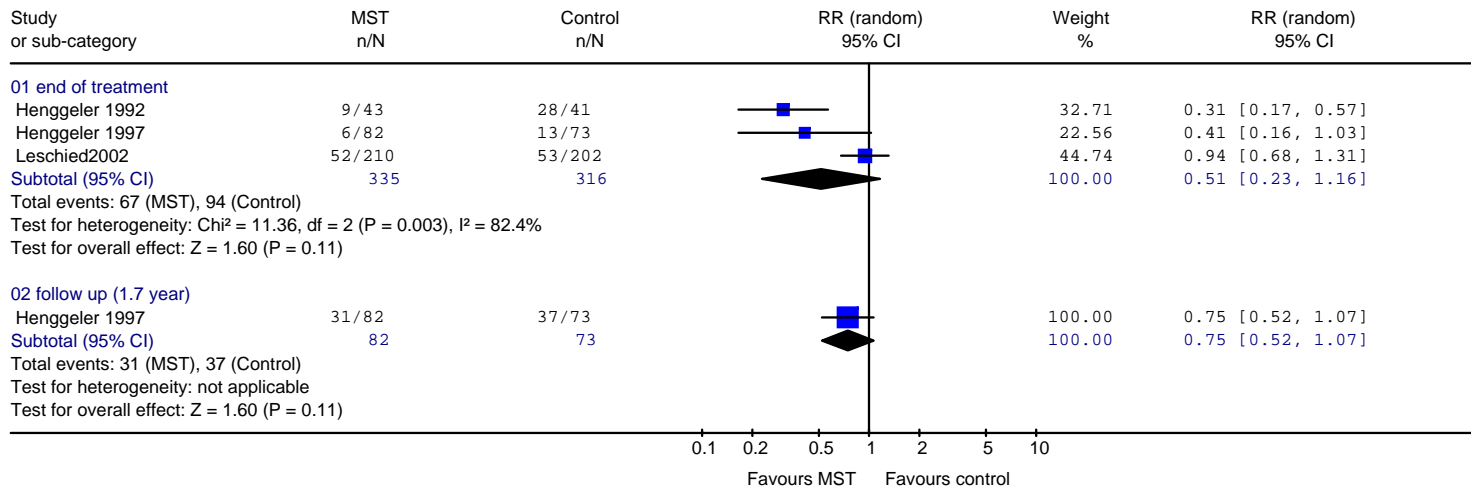
Review: ASPD: Family Interventions
 Comparison: 01 Family intervention vs Control
 Outcome: 03 FFT: Risk of re-arrest (comparing competent and noncompetent)



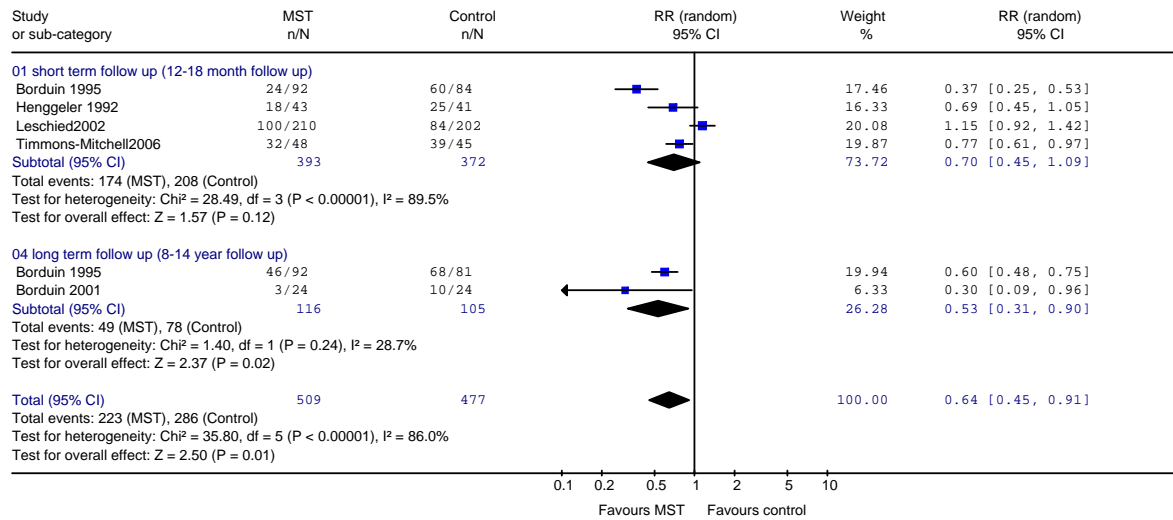
Multi-component interventions

Figure 7: Multisystemic therapy (MST) versus control

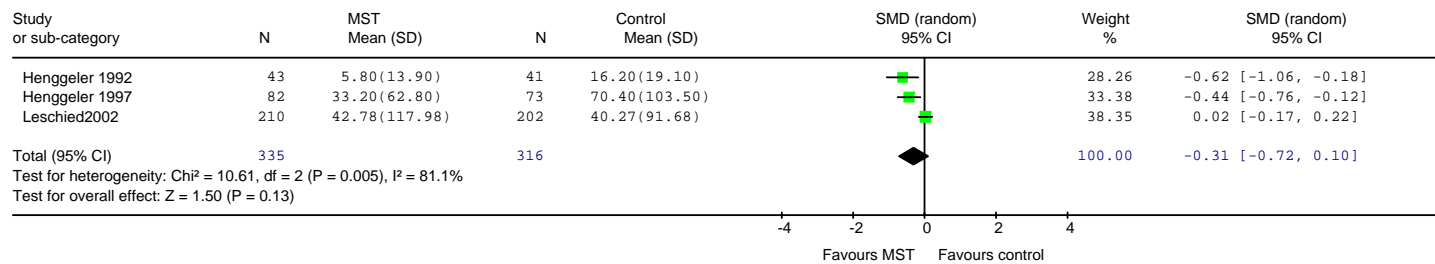
Review: ASPD: MST
 Comparison: 01 Multisystemic therapy vs Standard care
 Outcome: 01 incarceration/conviction



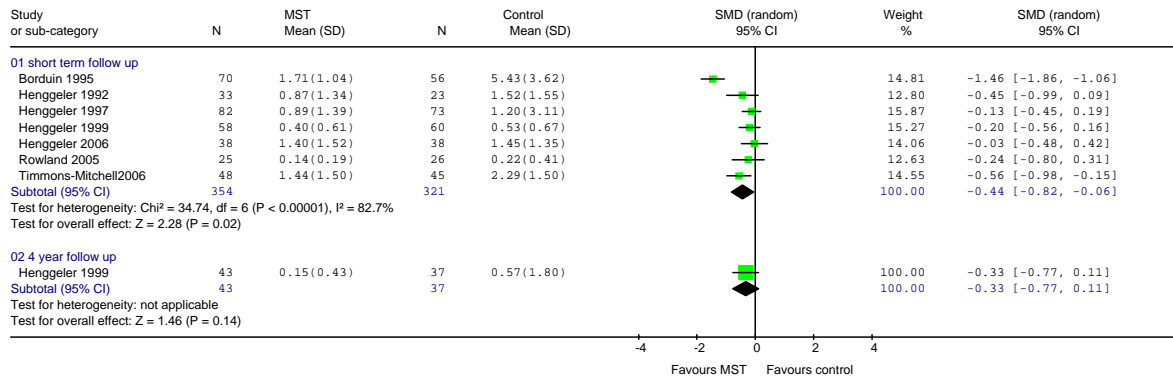
Review: ASPD: MST
 Comparison: 01 Multisystemic therapy vs Standard care
 Outcome: 02 rearrested



Review: ASPD: MST
 Comparison: 01 Multisystemic therapy vs Standard care
 Outcome: 03 incarceration (days/weeks)



Review: ASPD: MST
 Comparison: 01 Multisystemic therapy vs Standard care
 Outcome: 04 number of arrests



Review: ASPD: MST
 Comparison: 01 Multisystemic therapy vs Standard care
 Outcome: 05 Self reported delinquency

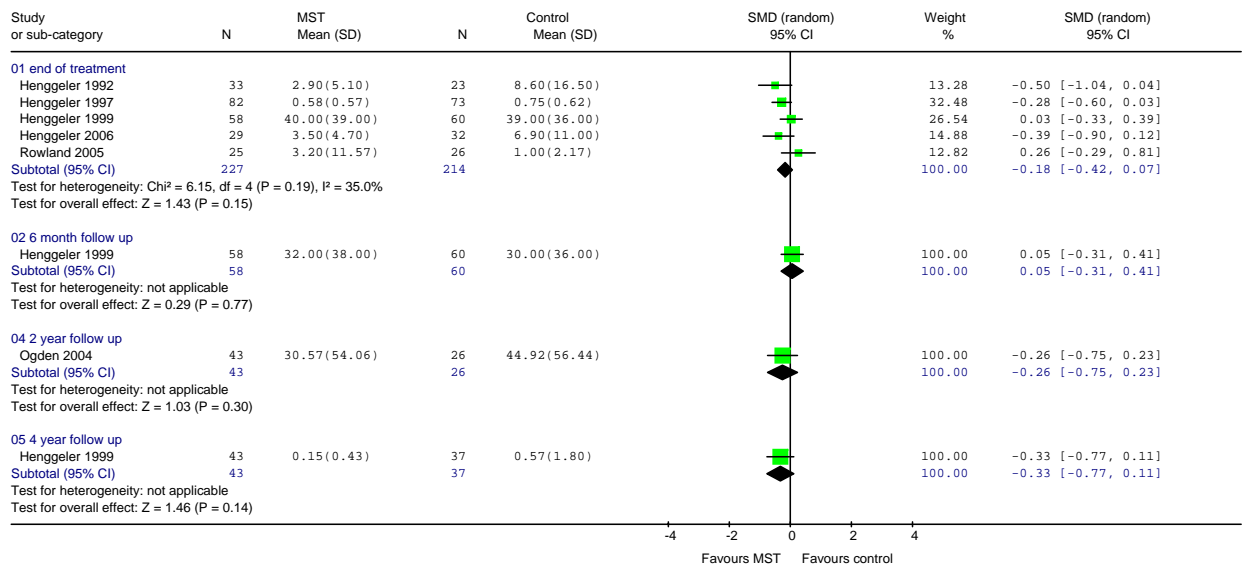
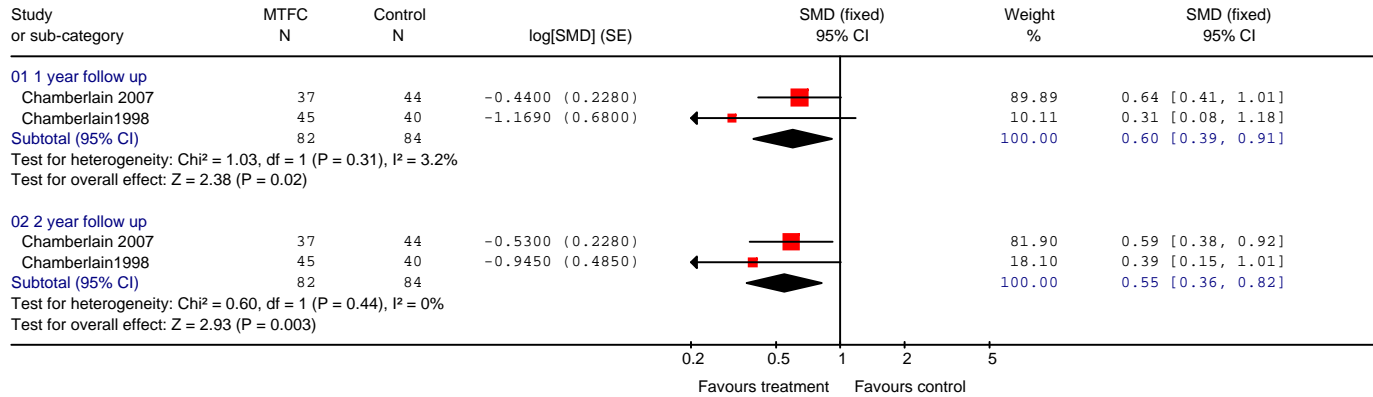


Figure 8: Multidimensional treatment foster care (MTFC) versus control

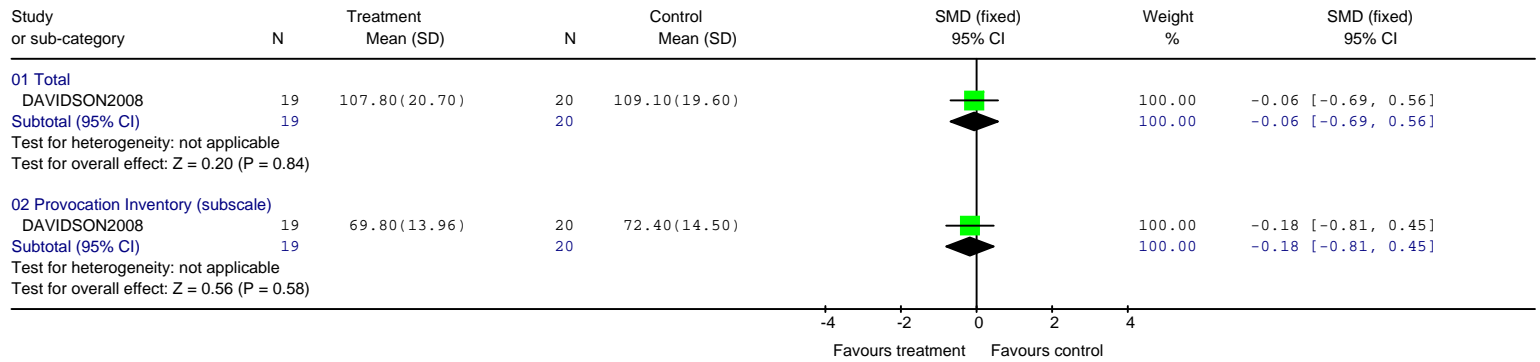
Review: ASPD: Multi-dimensional interventions
 Comparison: 02 Multidimensional foster care vs Standard care
 Outcome: 01 Recidivism



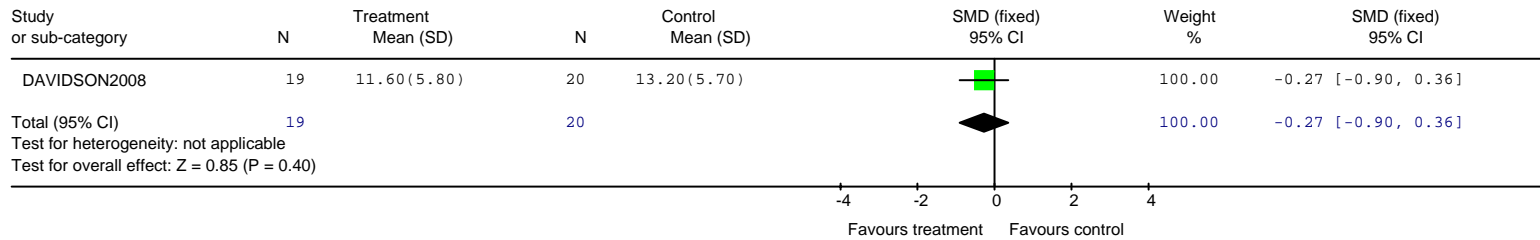
Psychosocial interventions for antisocial personality disorder

Figure 9: CBT versus treatment as usual (TAU)

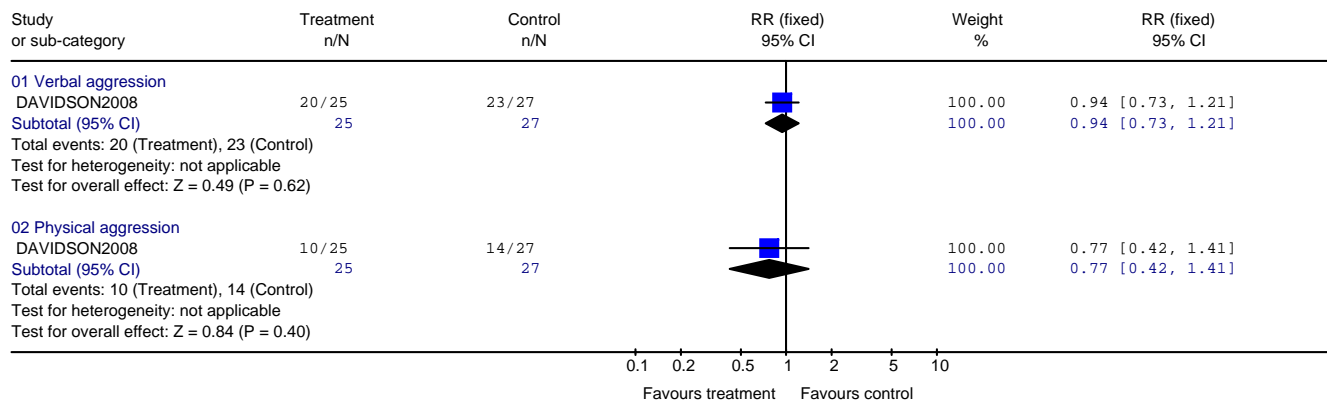
Review: ASPD: Psych interventions for ASPD
 Comparison: 01 CBT vs TAU
 Outcome: 01 Novaco Anger Scale



Review: ASPD: Psych interventions for ASPD
 Comparison: 01 CBT vs TAU
 Outcome: 02 Social Functioning Questionnaire

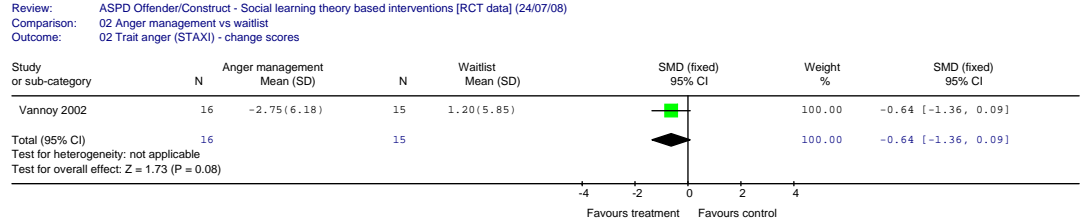


Review: ASPD: Psych interventions for ASPD
 Comparison: 01 CBT vs TAU
 Outcome: 03 Aggression (ITT)



Psychosocial interventions for symptoms and behaviours associated with antisocial personality disorder

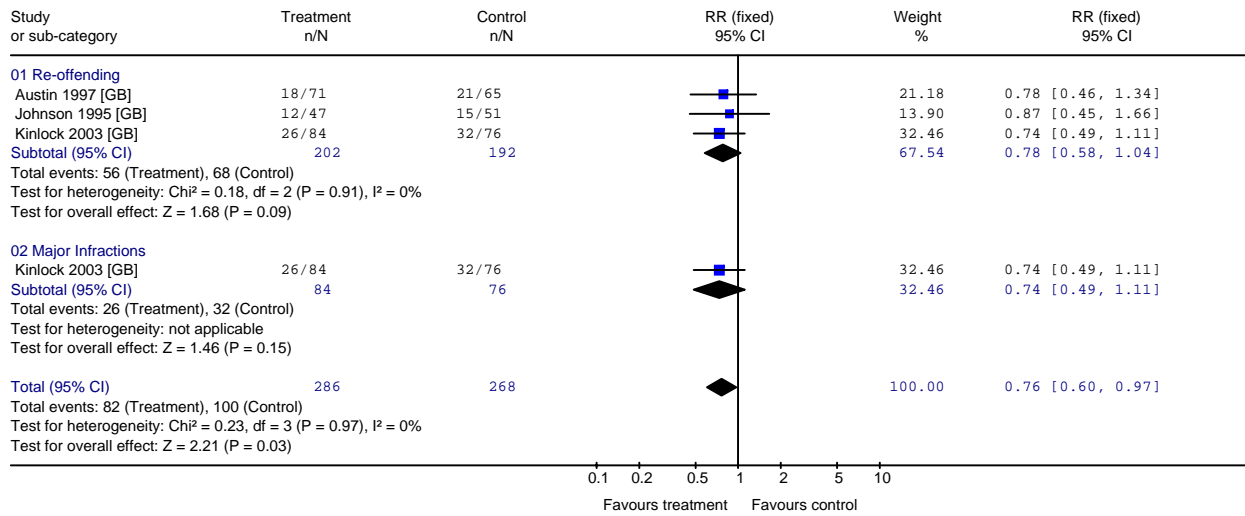
Figure 10: Anger management versus control



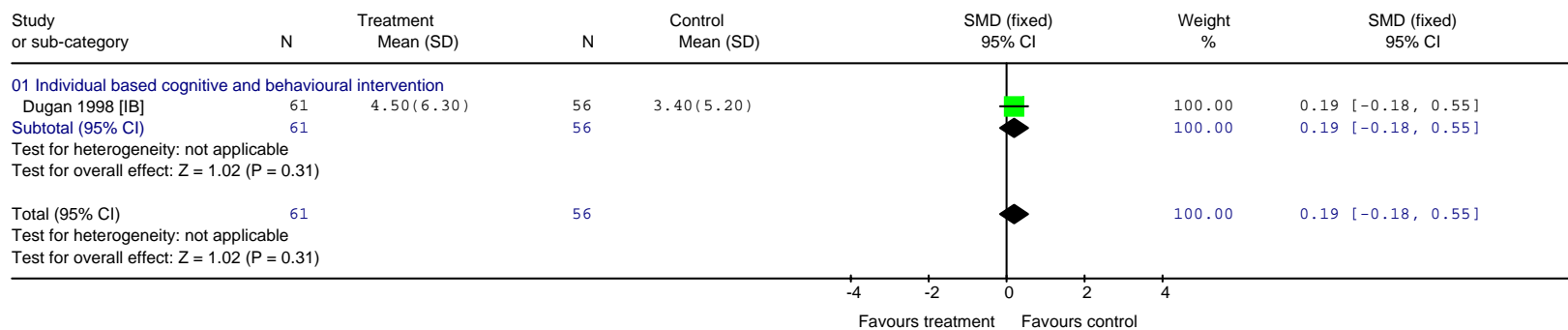
Adult offenders with substance misuse problems

Figure 11: Group-based cognitive and behavioural interventions versus control for offending behaviour

Review: ASPD: Substance misuse offender
 Comparison: 01 Cognitive and behavioural interventions versus control
 Outcome: 01 Any bad ASPD outcome [dichotomous]



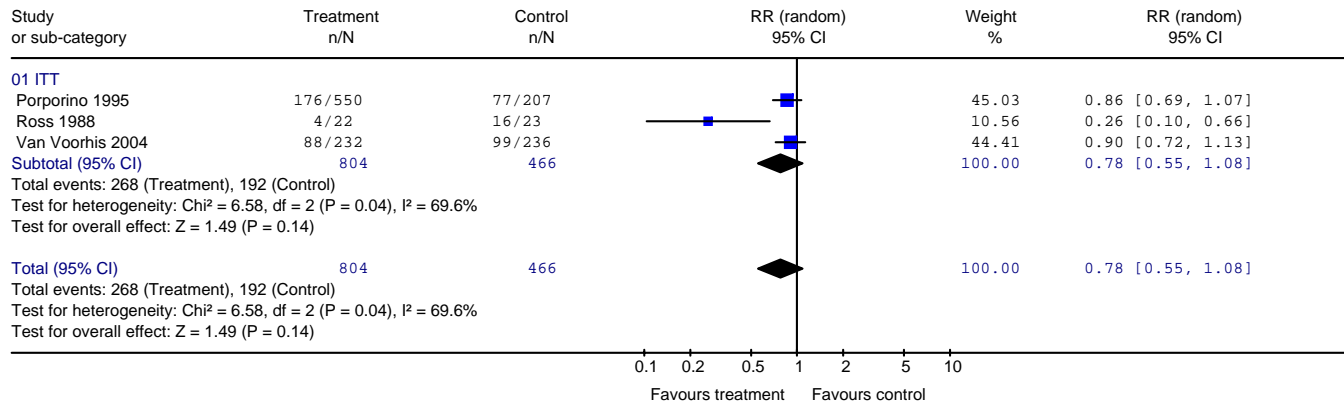
Review: ASPD: Substance misuse offender
 Comparison: 01 Cognitive and behavioural interventions versus control
 Outcome: 03 Mean number of offences



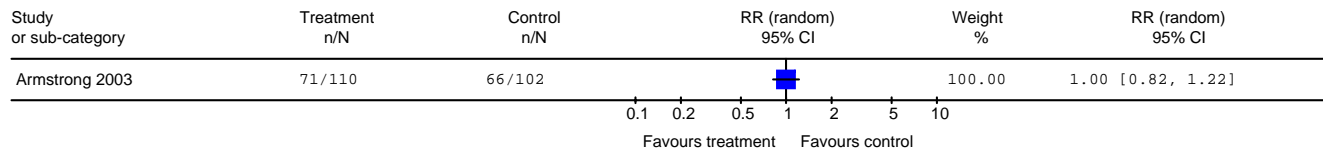
Adult offenders

Figure 12: Group-based cognitive and behavioural interventions versus control for offending behaviour

Review: ASPD: Offender/Construct
 Comparison: 01 Group based cognitive and behavioural skills intervention vs. control
 Outcome: 01 Re-offending - inclusive measures [RCT data; male & mixed/undefined offender populations]



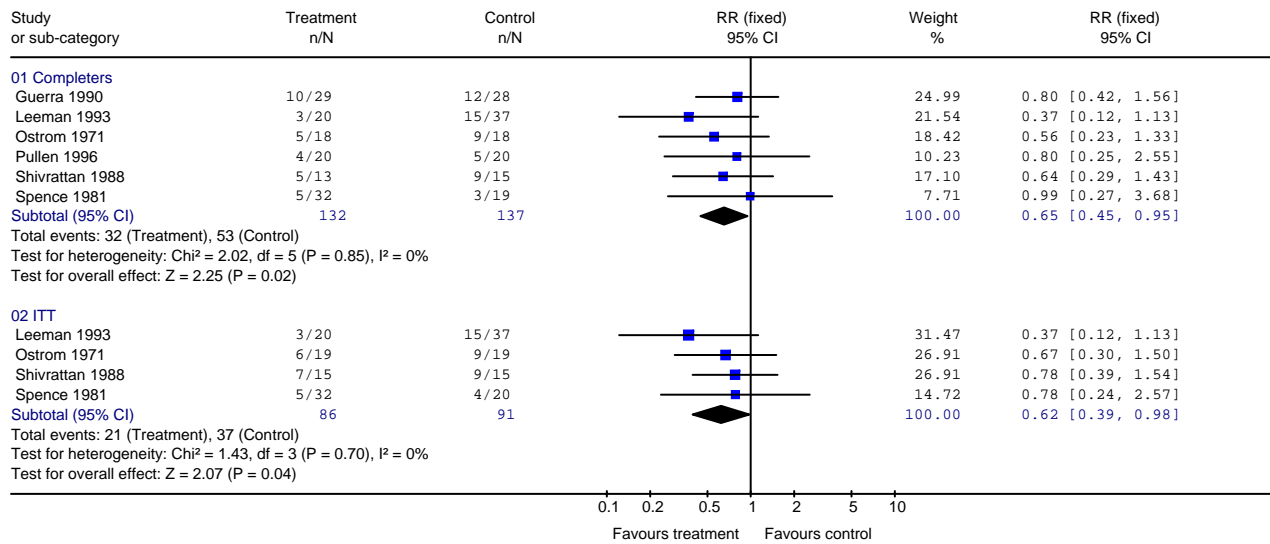
Review: ASPD: Offender/Construct
 Comparison: 01 Group based cognitive and behavioural skills intervention vs. control
 Outcome: 03 Recidivism [RCT data; male young offender populations]



Young offenders

Figure 13: Cognitive and behavioural interventions versus control for offending behaviours in adolescents

Review: ASPD: Young offenders
 Comparison: 01 Cognitive and behavioural skills intervention vs. control
 Outcome: 01 Re-offending



Review: ASPD: Young offenders less than 18 years (ITT)
 Comparison: 01 Cognitive and behavioural intervention vs. control
 Outcome: 03 Recidivism

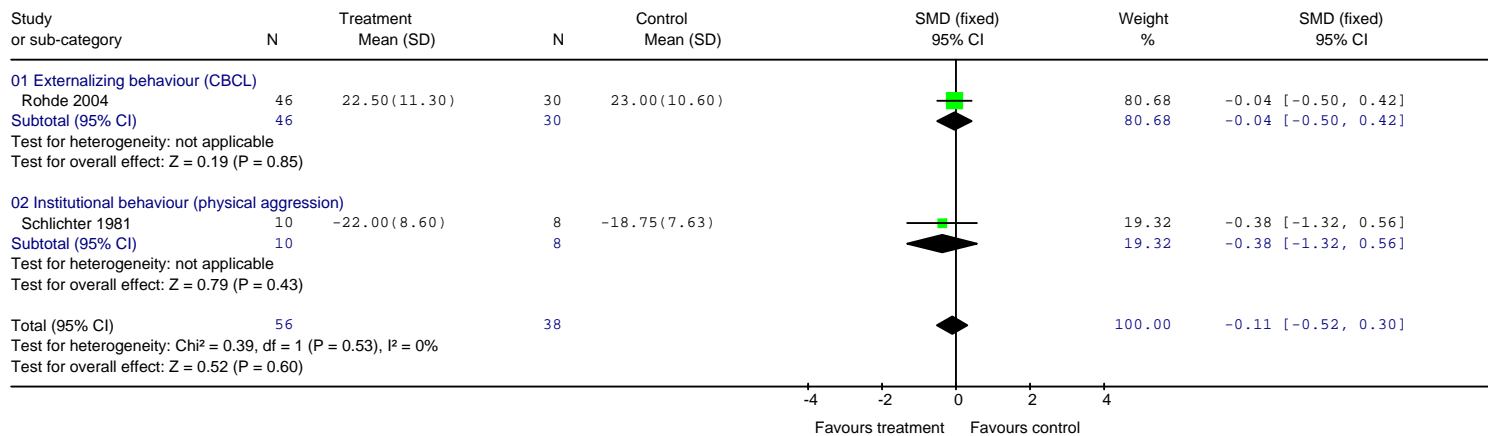
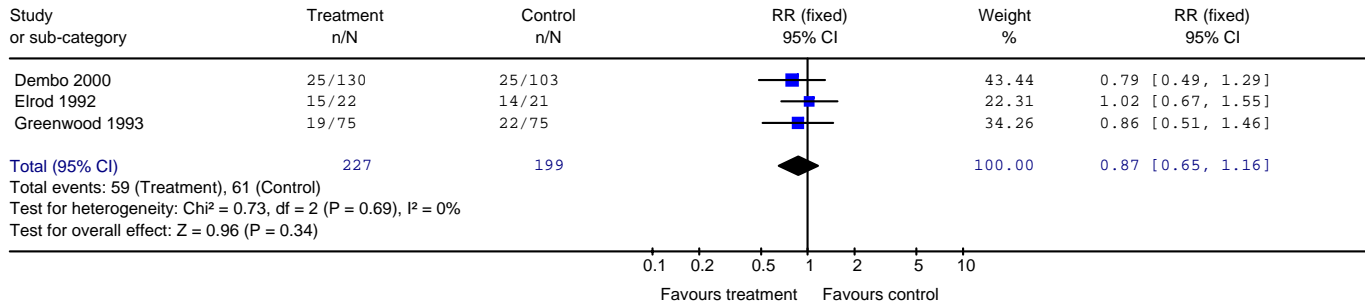


Figure 14: Multi-component interventions versus control for offending behaviours in adolescents

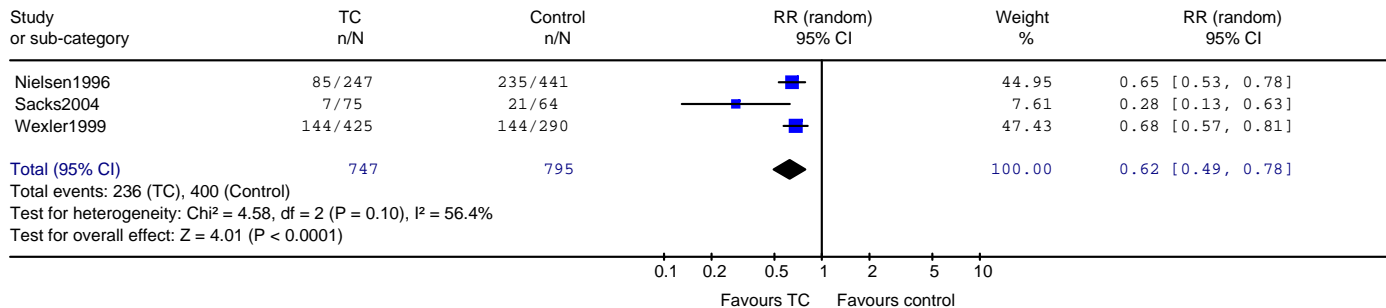
Review: ASPD Adolescent offenders
 Comparison: 02 Multi-component interventions vs control
 Outcome: 01 Re-offending



Therapeutic communities

Figure 15: Therapeutic communities (TC) versus control

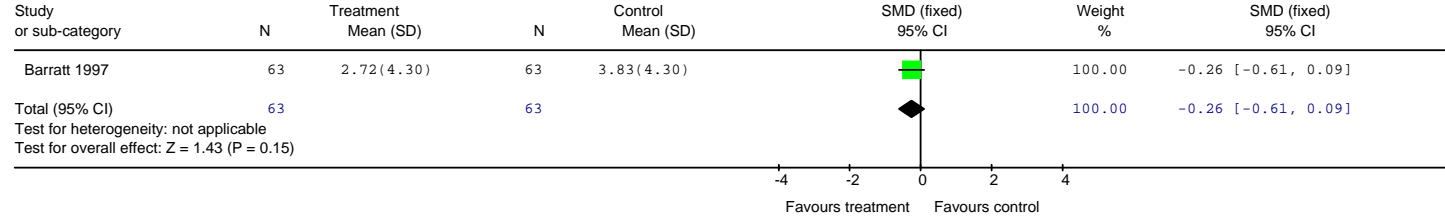
Review: DMP:Settings
 Comparison: 13 Prison TC vs Prison Control
 Outcome: 01 Re-offending: (12 month follow up)



Pharmacological interventions for antisocial personality disorder

Figure 16: Anticonvulsants versus placebo

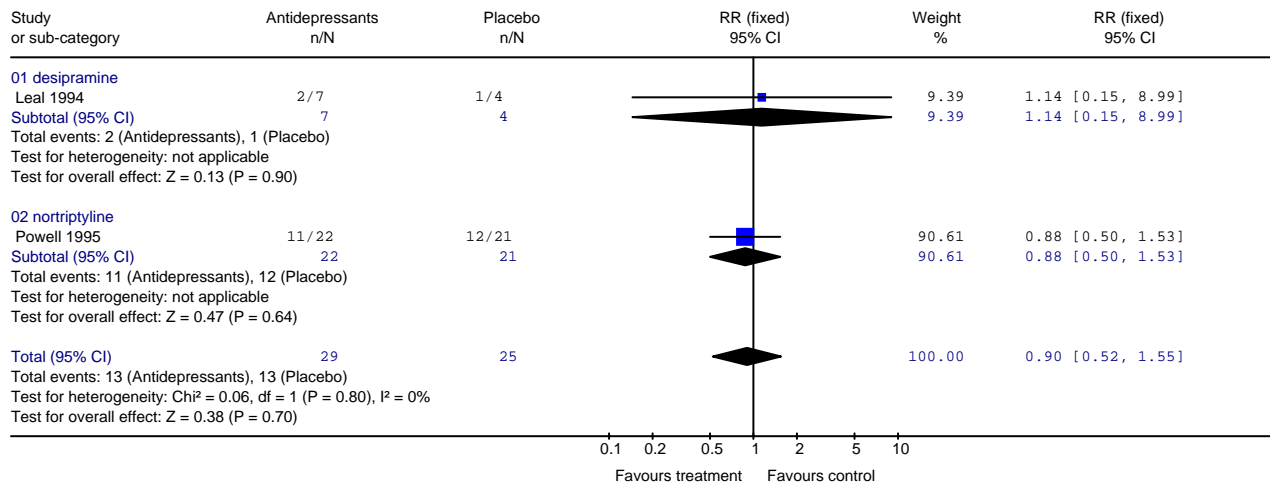
Review: ASPD: Pharm intervention for ASPD
 Comparison: 01 Anticonvulsants vs placebo
 Outcome: 01 OAS-M



Pharmacological interventions for antisocial personality disorder comorbid with substance misuse

Figure 17: Antidepressants versus placebo

Review: ASPD: Pharm
 Comparison: 01 Antidepressants versus Placebo
 Outcome: 01 Leaving study early



Review: ASPD: Pharm
 Comparison: 01 Antidepressants versus Placebo
 Outcome: 02 Substance use

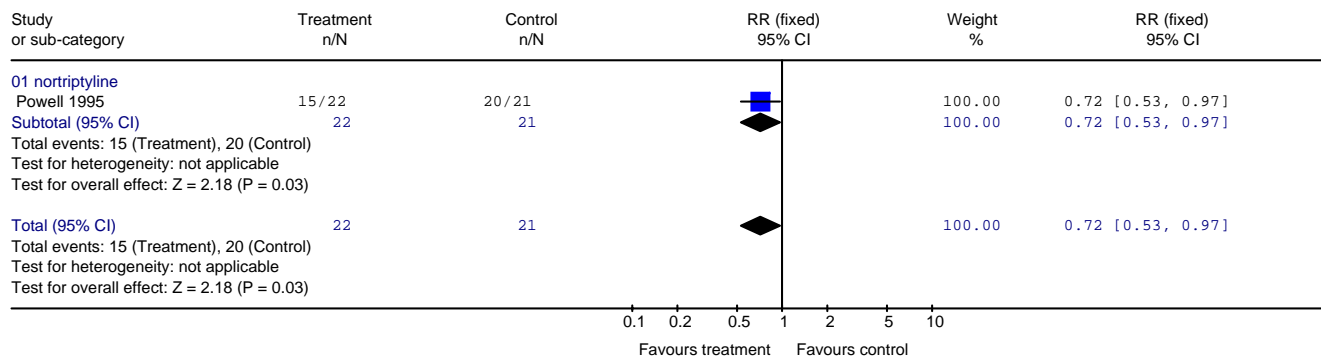
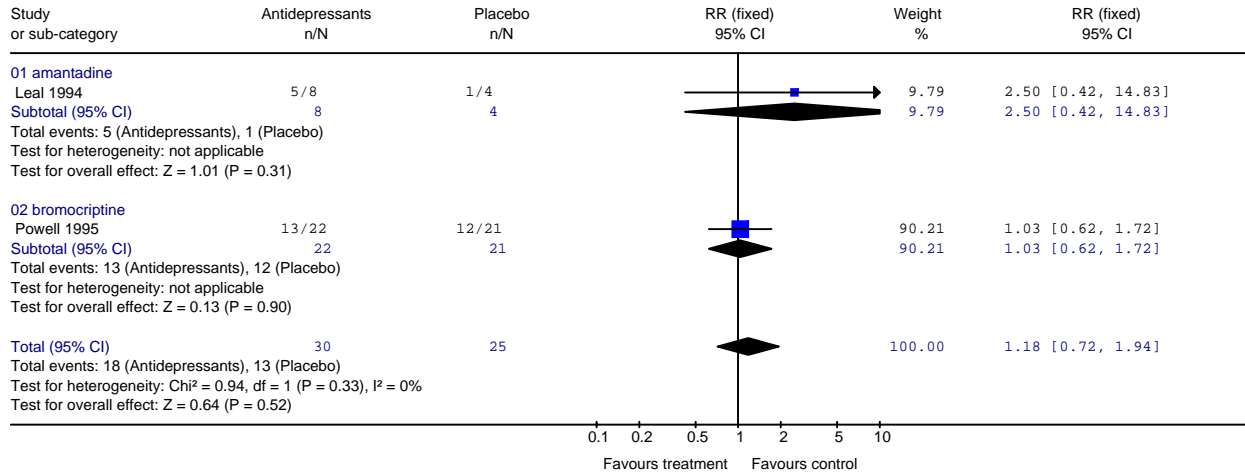
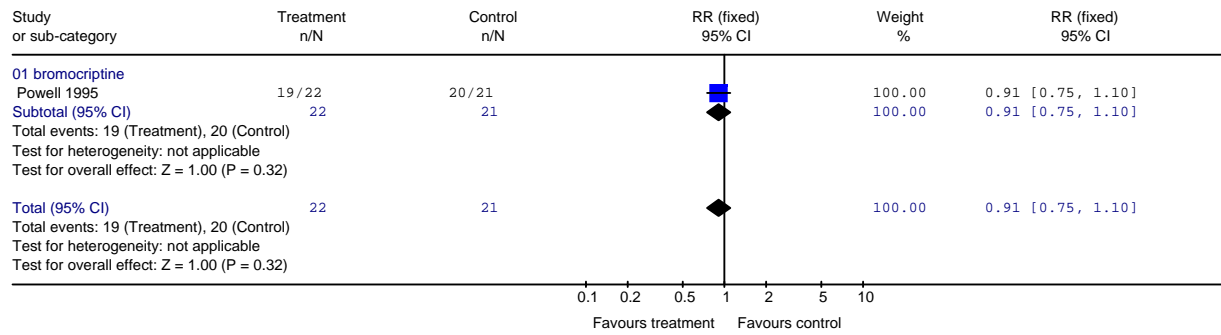


Figure 18: Dopaminergic drugs versus placebo

Review: ASPD: Pharm
 Comparison: 02 Dopaminergic drugs versus placebo
 Outcome: 01 Leaving study early



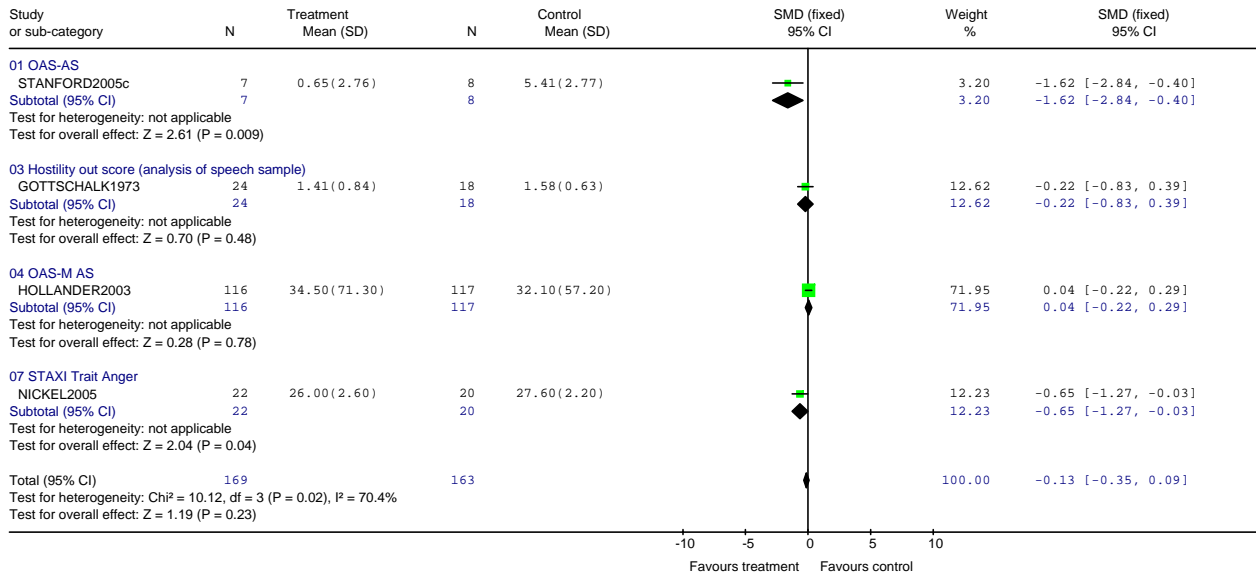
Review: ASPD: Pharm
 Comparison: 02 Dopaminergic drugs versus placebo
 Outcome: 02 Substance use



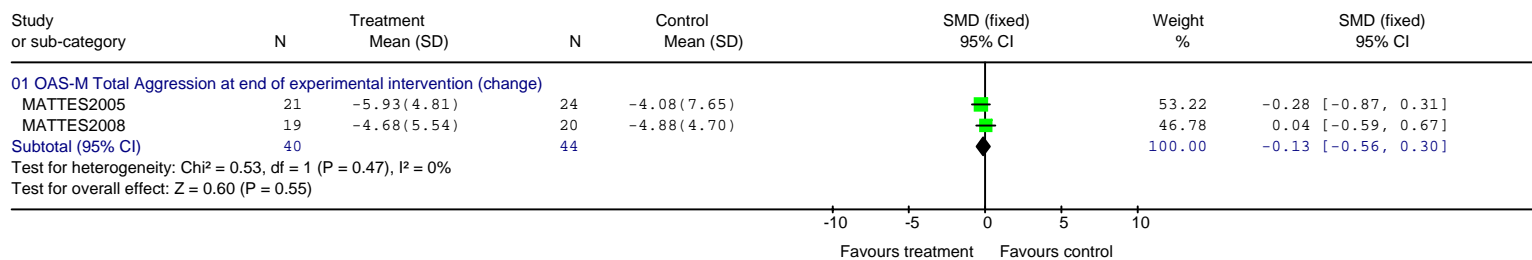
Pharmacological interventions for symptoms and behaviours associated with antisocial personality disorder

Figure 19: Anticonvulsants versus placebo

Review: ASPD Construct - Pharm interventions for aggression & ASPD construct (Version 01)
 Comparison: 01 Anticonvulsant vs placebo
 Outcome: 08 Aggression at end of experimental intervention - post treatment scores [most relevant reported outcome] - 3



Review: ASPD: Pharm interventions for construct
 Comparison: 01 Anticonvulsant vs placebo
 Outcome: 03 Aggression change score (end of treatment)



Review: ASPD Construct - Pharm interventions for aggression & ASPD construct
 Comparison: 01 Anticonvulsant vs placebo
 Outcome: 12 Leaving the study early due to adverse events- GRADE

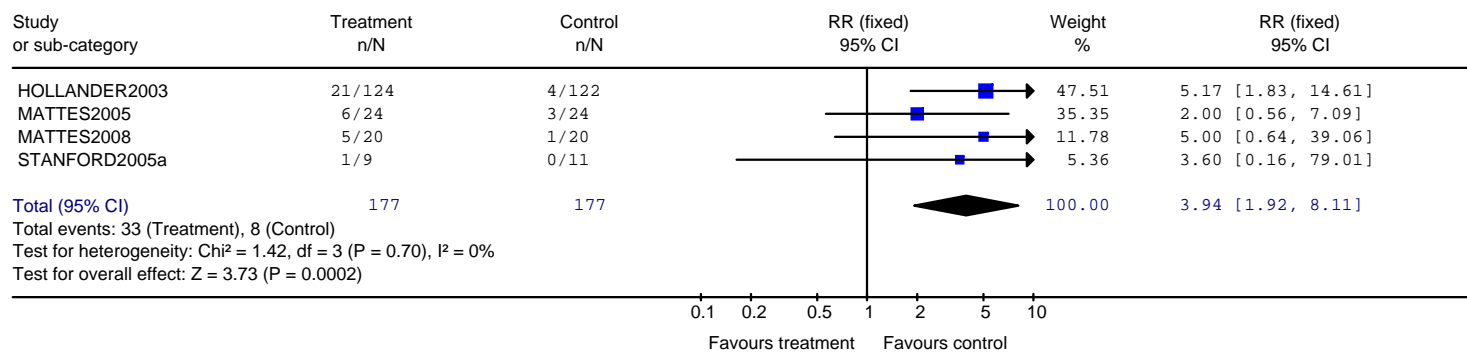
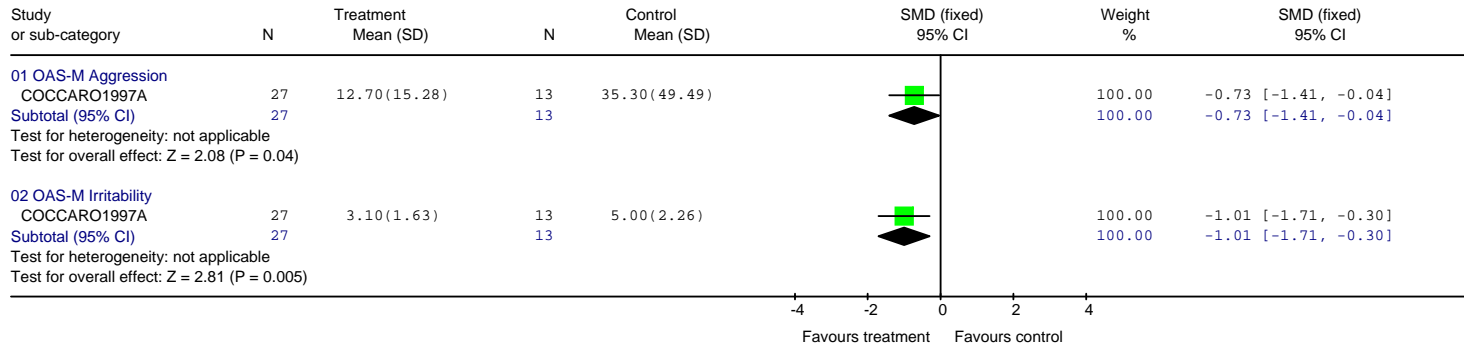


Figure 20: Antidepressants (SSRIs) versus placebo

Review: ASPD Construct - Pharm interventions for aggression & ASPD construct (Version 01)
 Comparison: 17 SSRIs antidepressants vs placebo
 Outcome: 02 Aggression at end of experimental intervention



Review: ASPD: Pharm interventions for construct
 Comparison: 17 SSRIs antidepressants vs placebo
 Outcome: 03 Leaving study early

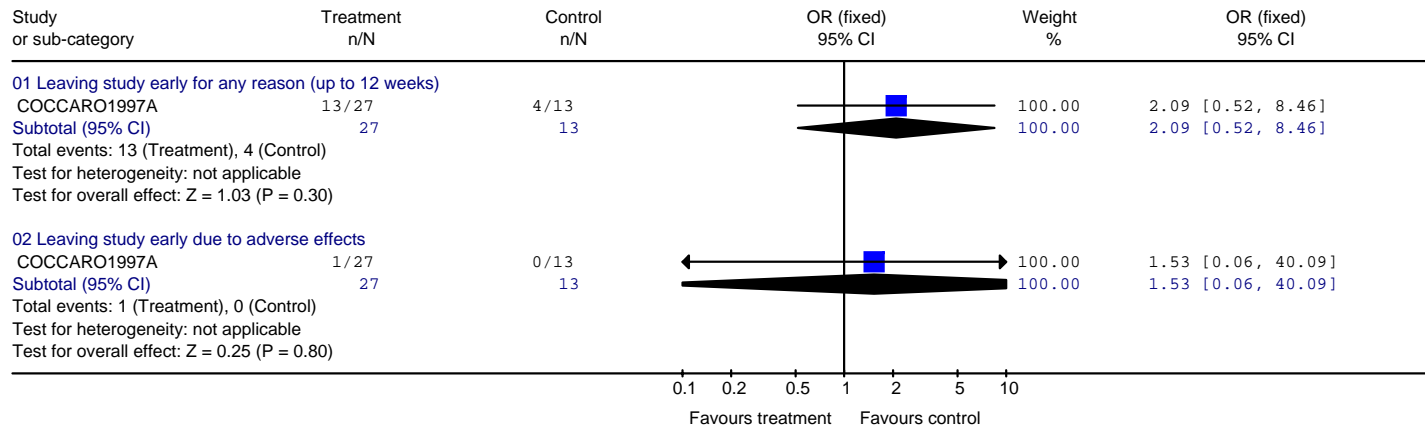
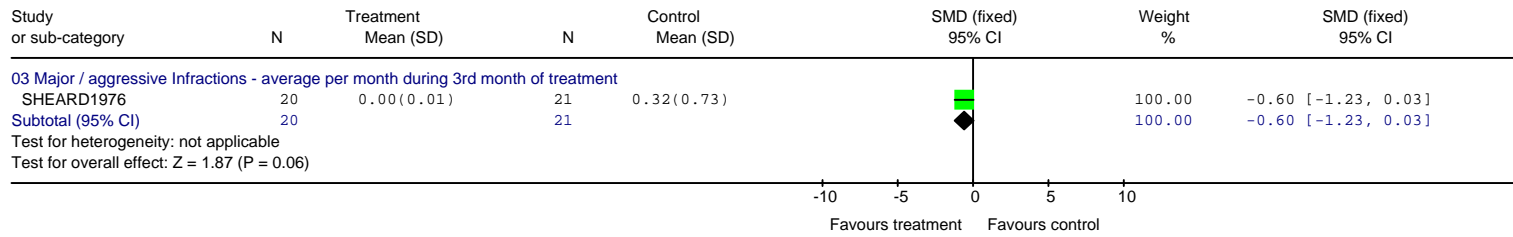


Figure 21: Lithium versus placebo

Review: ASPD Construct - Pharm interventions for aggression & ASPD construct (Version 01)
 Comparison: 20 Lithium vs placebo
 Outcome: 03 Aggression at end of experimental intervention



Review: ASPD Construct - Pharm interventions for aggression & ASPD construct
 Comparison: 20 Lithium vs placebo
 Outcome: 06 Leaving study early - GRADE

