Appendix O: Forest plots

Contents

Appendix O: Forest plots 1

A.1 Biological Factors 3

A.2 Psychosocial interventions for Interventions for children on the edge of care 7

A.2.1 Video feedback versus control for children on the edge of care. 7

A.2.2 Video feedback versus counselling for children on the edge of care. 9

A.2.3 Parent-child psychotherapy versus control for children on the edge of care. 10

A.2.4 Parent-child psychotherapy versus home visiting for children on the edge of care. 12

A.2.5 Parent sensitivity and behaviour training versus control for children on the edge of care 13

A.2.6 Home visiting versus control for children on the edge of care. 15

A.2.7 Home visiting and parent-child psychotherapy versus control 19

A.2.8 Psychotherapy versus control for children on the edge of care 20

A.2.9 CBT versus control for children on the edge of care 20

A.2.10 CBT versus psychotherapy for children on the edge of care 20

A.2.11 CBT versus counselling for children on the edge of care 21

A.2.12 Counselling versus control for children on the edge of care 21

A.3 Psychosocial Interventions for children on the edge of care who have been or are at risk of maltreatment 21

A.3.1 Home visiting versus control 21

A.3.2 Parent child psychotherapy versus control 24

A.3.3 Parent child psychotherapy versus home visiting 25

A.3.4 Parent sensitivity and behaviour training 27

A.3.5 Video feedback versus control 28

A.4 Psychosocial Interventions for children who are in care 30

A.4.1 Video feedback 30

A.4.2 Parental training, education and support versus usual care 33

A.4.3 Multidimensional Treatment Foster Care Program versus usual care 35

A.4.4 Parent sensitivity training 35

A.4.5 Foster care versus. Institutionalised 37

A.4.6 Studies that provided placement disruption as an outcome but did not measure attachment. 38

A.5 Psychosocial Interventions for children who have been adopted 42

A.5.1 Video feedback 42

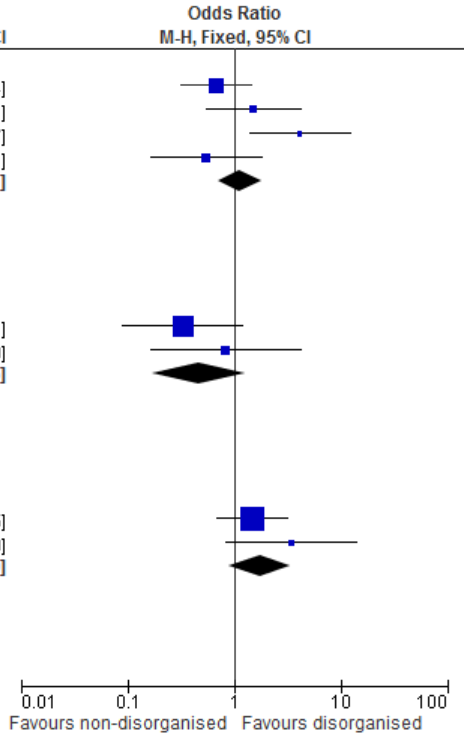
A.5.2 Parental Sensitivity and Behaviour Training 44

A.5.3 Parental education, training and support 46

A.1 Biological Factors

Figure 1: Association between *DRD4-7* repeat allele and disorganised attachment

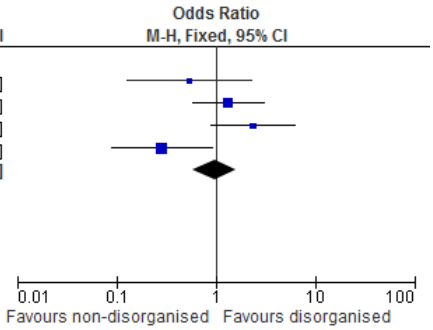
Study or Subgroup	Disorganised Events	Disorganised Total	Non-disorganised Events	Non-disorganised Total	Weight	Odds Ratio M-H, Fixed, 95% CI
1.3.1 DRD4-7 repeat allele						
Cicchetti 2011	32	114	15	41	48.3%	0.68 [0.32, 1.44]
Frigerio 2009	8	19	29	90	17.8%	1.53 [0.56, 4.21]
Lakatos 2002	12	18	25	77	9.6%	4.16 [1.40, 12.37]
Spangler 2009	4	23	20	72	24.3%	0.55 [0.17, 1.81]
Subtotal (95% CI)		**174**		**280**	**100.0%**	**1.13 [0.71, 1.81]**
Total events	56		89			
Heterogeneity: Chi² = 9.02, df = 3 (P = 0.03); I² = 67%						
Test for overall effect: Z = 0.52 (P = 0.61)						
1.3.3 DRD4/-521 cc						
Frigerio 2009	3	20	32	92	74.3%	0.33 [0.09, 1.21]
Lakatos 2002	2	18	10	77	25.7%	0.84 [0.17, 4.20]
Subtotal (95% CI)		**38**		**169**	**100.0%**	**0.46 [0.17, 1.26]**
Total events	5		42			
Heterogeneity: Chi² = 0.78, df = 1 (P = 0.38); I² = 0%						
Test for overall effect: Z = 1.51 (P = 0.13)						
1.3.4 DRD4/5HTTLPR II						
Cicchetti 2011	82	114	26	41	86.1%	1.48 [0.69, 3.15]
Lakatos 2003	4	17	6	73	13.9%	3.44 [0.85, 13.90]
Subtotal (95% CI)		**131**		**114**	**100.0%**	**1.75 [0.90, 3.40]**
Total events	86		32			
Heterogeneity: Chi² = 1.09, df = 1 (P = 0.30); I² = 8%						
Test for overall effect: Z = 1.65 (P = 0.10)						



Test for subgroup differences: Chi² = 4.70, df = 2 (P = 0.10), I² = 57.4%

Figure 2: Association between *5-HTTLRP II* and disorganised attachment

Study or Subgroup	Disorganised Events	Disorganised Total	Non-disorganised Events	Non-disorganised Total	Weight	Odds Ratio M-H, Fixed, 95% CI
1.4.7 5-HTTLPR II						
Bakermans-Kranenburg 2012	7	25	5	12	15.1%	0.54 [0.13, 2.30]
Cicchetti 2011	36	114	10	39	31.7%	1.34 [0.59, 3.04]
Frigerio 2009	10	20	27	91	15.1%	2.37 [0.89, 6.35]
Spangler 2009	4	23	31	73	38.1%	0.29 [0.09, 0.92]
Subtotal (95% CI)		**182**		**215**	**100.0%**	**0.97 [0.59, 1.59]**
Total events	57		73			
Heterogeneity: Chi² = 8.54, df = 3 (P = 0.04); I² = 65%						
Test for overall effect: Z = 0.11 (P = 0.91)						



Test for subgroup differences: Not applicable

Figure 3: Association between *521 COMT GABRA* and disorganised attachment

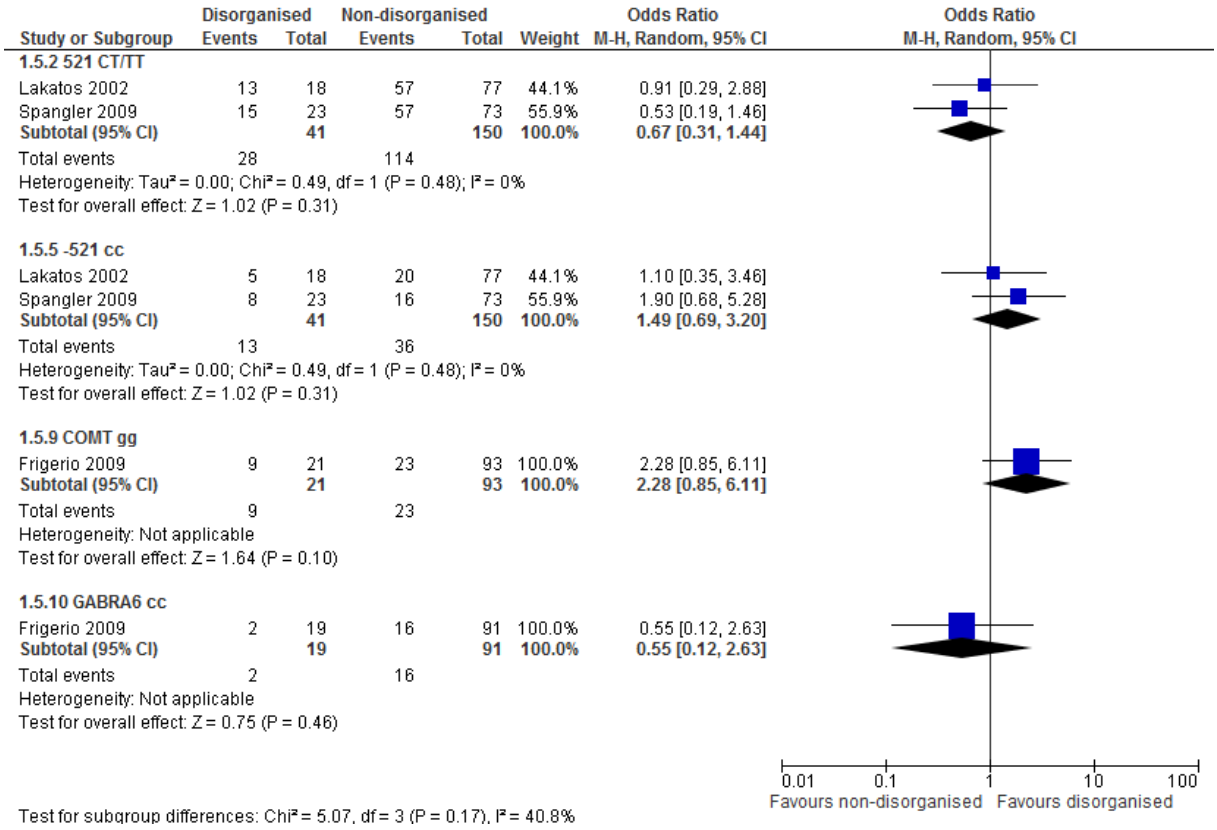


Figure 4: Association between DRD4-7 repeat allele, DRD4/-521 cc and insecure attachment

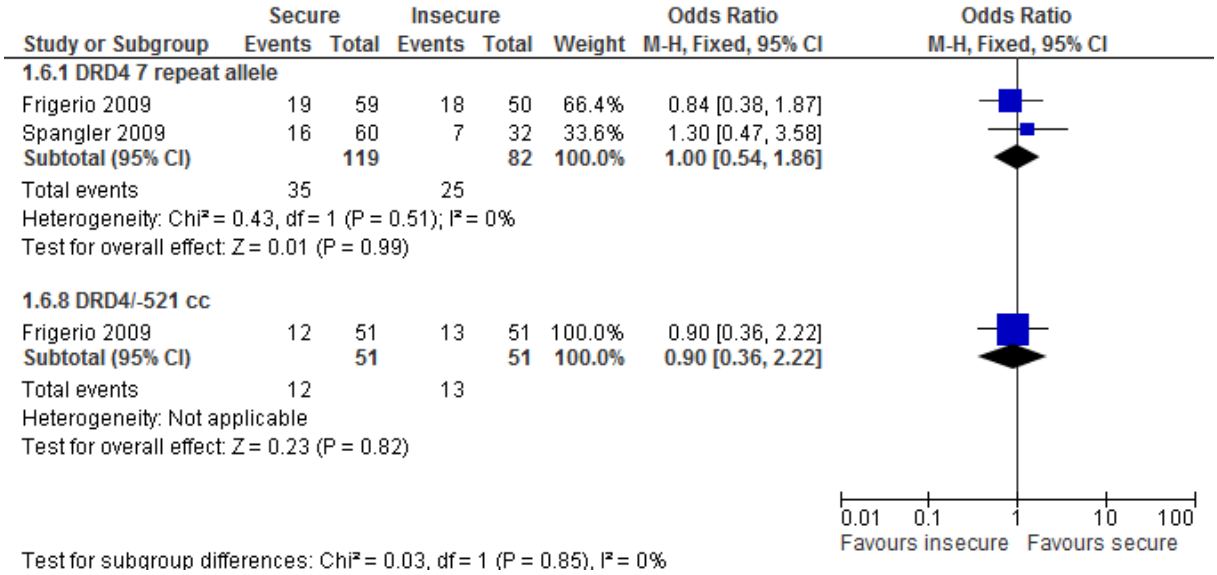
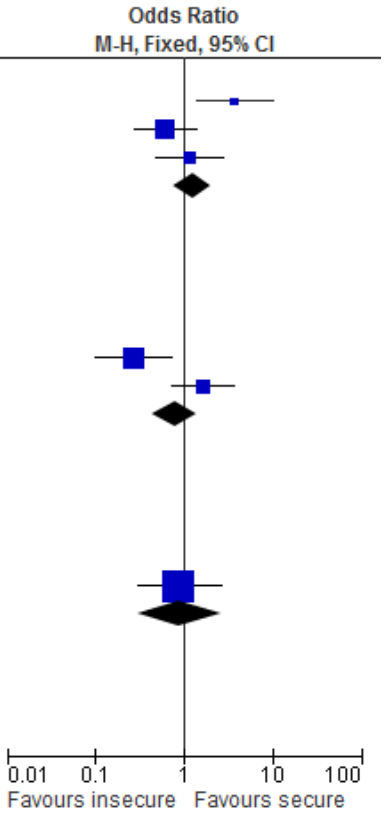


Figure 5: Association between *5-HTTLPR* and secure attachment

Study or Subgroup	Secure Events	Secure Total	Insecure Events	Insecure Total	Weight	Odds Ratio M-H, Fixed, 95% CI
1.7.2 5HTTLPR ll						
Barry 2008	21	48	7	40	14.9%	3.67 [1.36, 9.92]
Frigerio 2009	17	60	20	51	53.8%	0.61 [0.28, 1.36]
Spangler 2009	23	61	11	32	31.2%	1.16 [0.47, 2.83]
Subtotal (95% CI)		**169**		**123**	**100.0%**	**1.24 [0.76, 2.02]**
Total events	61		38			
Heterogeneity: Chi² = 7.60, df = 2 (P = 0.02); I² = 74%						
Test for overall effect: Z = 0.85 (P = 0.39)						
1.7.3 5-HTTLPR ss/sl						
Barry 2008	27	48	33	40	62.4%	0.27 [0.10, 0.74]
Frigerio 2009	43	60	31	51	37.6%	1.63 [0.74, 3.61]
Subtotal (95% CI)		**108**		**91**	**100.0%**	**0.78 [0.44, 1.41]**
Total events	70		64			
Heterogeneity: Chi² = 7.59, df = 1 (P = 0.006); I² = 87%						
Test for overall effect: Z = 0.81 (P = 0.42)						
1.7.5 5-HTTLPR ss						
Pauli-Pott 2009	10	40	8	29	100.0%	0.88 [0.30, 2.59]
Subtotal (95% CI)		**40**		**29**	**100.0%**	**0.88 [0.30, 2.59]**
Total events	10		8			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.24 (P = 0.81)						



Test for subgroup differences: Chi² = 1.44, df = 2 (P = 0.49), I² = 0%

Figure 6: Association between *-521, GABRA, COMT* and secure attachment

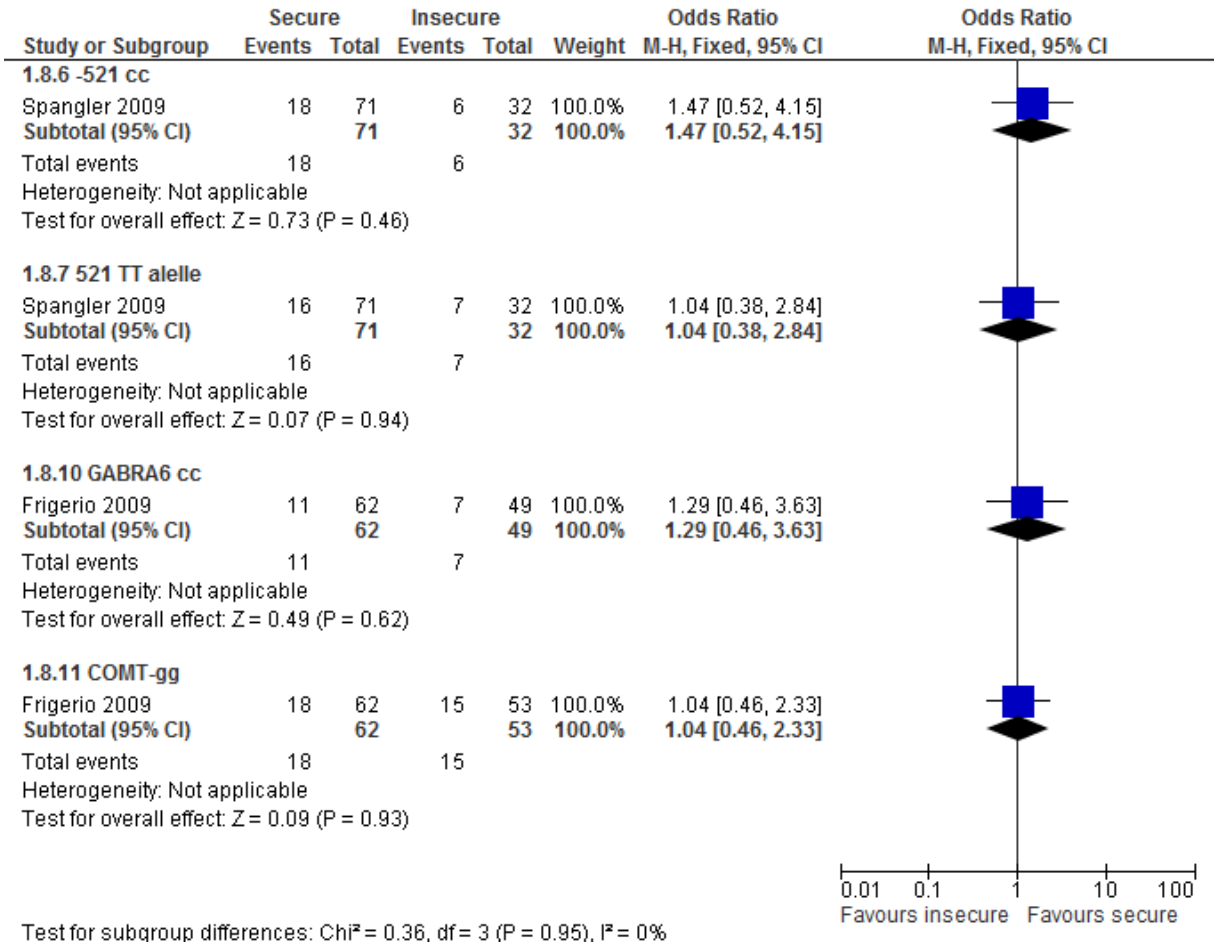
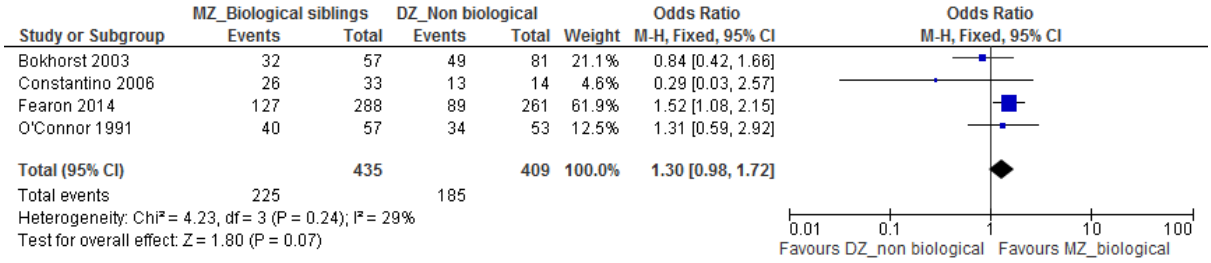


Figure 7: Concordance between genetic background and secure attachment. Comparing monozygotic with dizygotic twins.



A.2 Psychosocial interventions for Interventions for children on the edge of care

A.2.1 Video feedback versus control

Figure 8: Sensitivity (1-30 months)

Study or Subgroup	Videofeedback Mean	Videofeedback SD	Videofeedback Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Akai 2008	3.16	1.16	23	2.62	1.02	25	11.0%	0.49 [-0.09, 1.06]
Guttentag 2014	3.8	1	97	3.38	1	128	51.1%	0.42 [0.15, 0.69]
Koniak-Griffin 1992	36.17	5.32	15	30.94	5.08	16	6.4%	0.98 [0.23, 1.73]
Moss 2011	0.48	0.31	35	0.31	0.39	32	15.4%	0.48 [-0.01, 0.97]
VanDoesum 2008	4.82	1.78	35	3.79	1.86	36	16.1%	0.56 [0.08, 1.03]
Total (95% CI)			**205**			**237**	**100.0%**	**0.49 [0.30, 0.69]**

Heterogeneity: Tau² = 0.00; Chi² = 1.99, df = 4 (P = 0.74); I² = 0%
Test for overall effect: Z = 5.08 (P < 0.00001)

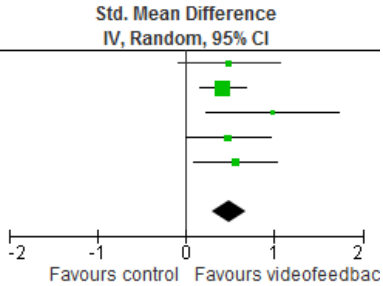


Figure 9: Secure attachment (2-5 months)

Study or Subgroup	Videofeedback Events	Videofeedback Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Bernard 2012	31	60	20	60	39.4%	1.55 [1.00, 2.39]
Moran 2005	28	49	19	50	40.2%	1.50 [0.98, 2.31]
Moss 2011	23	35	9	32	20.4%	2.34 [1.28, 4.27]
Total (95% CI)		**144**		**142**	**100.0%**	**1.66 [1.27, 2.19]**
Total events	82		48			

Heterogeneity: Tau² = 0.00; Chi² = 1.54, df = 2 (P = 0.46); I² = 0%
Test for overall effect: Z = 3.67 (P = 0.0002)

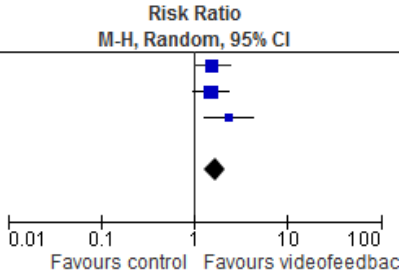


Figure 10: Insecure attachment (2-5 months)

Study or Subgroup	Videofeedback Events	Videofeedback Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Bernard 2012	29	60	40	60	57.5%	0.72 [0.53, 1.00]
Moran 2005	21	49	31	50	38.1%	0.69 [0.47, 1.02]
Moss 2011	5	35	5	32	4.4%	0.91 [0.29, 2.87]
Total (95% CI)		**144**		**142**	**100.0%**	**0.72 [0.57, 0.91]**
Total events	55		76			

Heterogeneity: Tau² = 0.00; Chi² = 0.21, df = 2 (P = 0.90); I² = 0%
Test for overall effect: Z = 2.69 (P = 0.007)

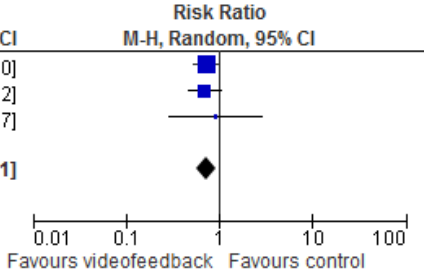


Figure 11: Disorganised attachment (2-5 months)

Study or Subgroup	Videofeedback Events	Videofeedback Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Bernard 2012	19	60	34	60	35.6%	0.56 [0.36, 0.86]
Moran 2005	28	49	29	50	38.6%	0.99 [0.70, 1.38]
Moss 2011	7	35	18	32	25.8%	0.36 [0.17, 0.74]
Total (95% CI)		**144**		**142**	**100.0%**	**0.62 [0.35, 1.10]**
Total events	54		81			

Heterogeneity: Tau² = 0.19; Chi² = 8.68, df = 2 (P = 0.01); I² = 77%
Test for overall effect: Z = 1.65 (P = 0.10)

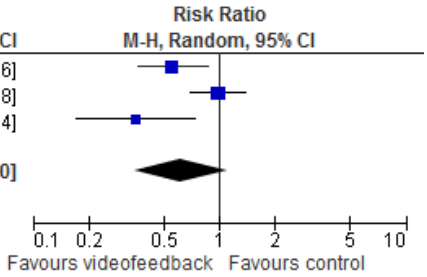


Figure 12: Externalising behaviour (2 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Moss 2011	57.85	9.84	35	57.54	12.61	32	100.0%	0.03 [-0.45, 0.51]
Total (95% CI)			**35**			**32**	**100.0%**	**0.03 [-0.45, 0.51]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.11 (P = 0.91)

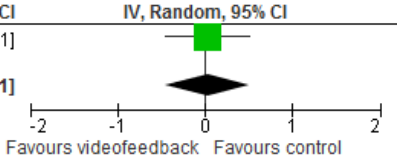


Figure 13: Internalising behaviour (2 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Moss 2011	54.43	7.44	35	55.56	11.45	32	100.0%	-0.12 [-0.60, 0.36]
Total (95% CI)			**35**			**32**	**100.0%**	**-0.12 [-0.60, 0.36]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.48 (P = 0.63)

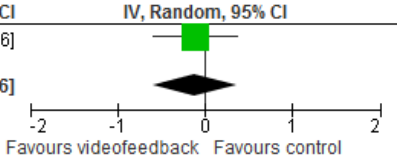


Figure 14: Sensitivity/Responsiveness at follow-up (1-6 months)

Study or Subgroup	Std. Mean Difference	SE	Videofeedback Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Bakermans-Kranenburg 1998	0.83	0.469	10	10	10.0%	0.83 [-0.09, 1.75]
Klein-Velderman 2006	0.504	0.239	54	27	38.5%	0.50 [0.04, 0.97]
Koniak-Griffin 1992	0.82	0.378	15	16	15.4%	0.82 [0.08, 1.56]
VanDoesum 2008	0.81	0.247	35	36	36.1%	0.81 [0.33, 1.29]
Total (95% CI)			**114**	**89**	**100.0%**	**0.70 [0.40, 0.99]**

Heterogeneity: Tau² = 0.00; Chi² = 1.05, df = 3 (P = 0.79); I² = 0%
Test for overall effect: Z = 4.69 (P < 0.00001)

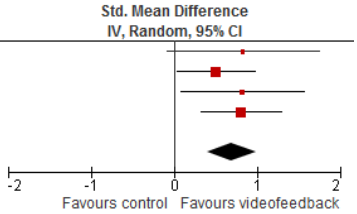


Figure 15: Secure attachment at follow-up (dichotomous measure) (+3 months)

Study or Subgroup	Videofeedback Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Klein-Velderman 2006	36	54	15	27	100.0%	1.20 [0.82, 1.77]
Total (95% CI)		**54**		**27**	**100.0%**	**1.20 [0.82, 1.77]**
Total events	36		15			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.92 (P = 0.36)

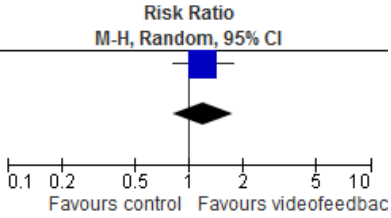


Figure 16: Secure attachment at follow-up (continuous measure) (+6 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
VanDoesum 2008	0.41	0.3	35	0.26	0.35	36	100.0%	0.45 [-0.02, 0.93]
Total (95% CI)			**35**			**36**	**100.0%**	**0.45 [-0.02, 0.93]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.89 (P = 0.06)

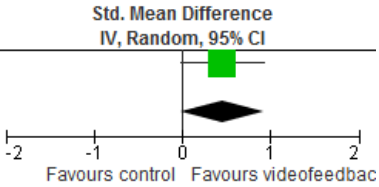


Figure 17: Externalising behaviour at follow-up (+6 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
VanDoesum 2008	0.6	0.39	35	0.57	0.3	36	100.0%	0.09 [-0.38, 0.55]
Total (95% CI)			**35**			**36**	**100.0%**	**0.09 [-0.38, 0.55]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.36 (P = 0.72)

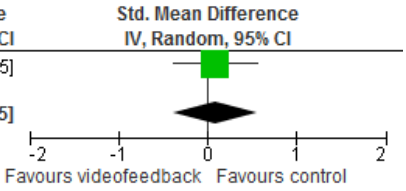


Figure 18: Internalising behaviour at follow-up (+6 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
VanDoesum 2008	0.45	0.23	35	0.39	0.16	36	100.0%	0.30 [-0.17, 0.77]
Total (95% CI)			**35**			**36**	**100.0%**	**0.30 [-0.17, 0.77]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.26 (P = 0.21)

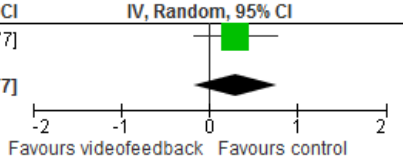


Figure 19: Secure attachment at follow-up (+56 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
VanDoesum 2008	13.29	0.72	29	12.98	0.72	29	100.0%	0.42 [-0.10, 0.95]
Total (95% CI)			**29**			**29**	**100.0%**	**0.42 [-0.10, 0.95]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.60 (P = 0.11)

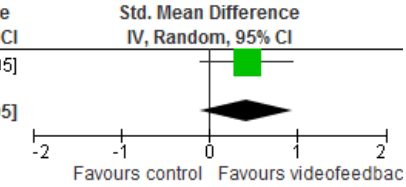


Figure 20: Externalising behaviour at follow-up (+56 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
VanDoesum 2008	50.51	2.06	29	50.8	2.06	29	100.0%	-0.14 [-0.65, 0.38]
Total (95% CI)			**29**			**29**	**100.0%**	**-0.14 [-0.65, 0.38]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.53 (P = 0.60)

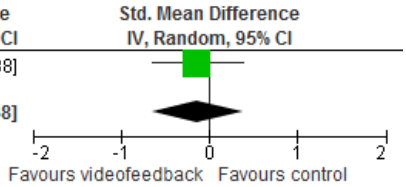
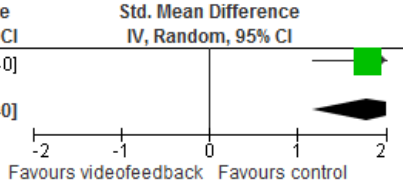


Figure 21: Internalising behaviour at follow-up (+56 months)

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
VanDoesum 2008	53.4	2.06	29	49.67	2.06	29	100.0%	1.79 [1.17, 2.40]
Total (95% CI)			**29**			**29**	**100.0%**	**1.79 [1.17, 2.40]**

Heterogeneity: Not applicable
Test for overall effect: Z = 5.69 (P < 0.00001)

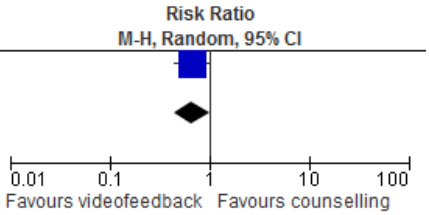


A.2.2 Video feedback versus counselling

Figure 22: Insensitivity (6 months)

Study or Subgroup	Videofeedback Events	Total	Counselling Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Stein 2006	17	38	26	39	100.0%	0.67 [0.44, 1.02]
Total (95% CI)		**38**		**39**	**100.0%**	**0.67 [0.44, 1.02]**
Total events	17		26			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.87 (P = 0.06)



A.2.3 Parent-child psychotherapy versus control

Figure 23: Sensitivity/Responsiveness (1-12m)

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Lieberman 1991	5.83	2.43	30	4.15	2.41	23	48.5%	0.68 [0.12, 1.24]
Sleed 2013	34.98	8.5	51	38.06	7.3	37	51.5%	-0.38 [-0.81, 0.05]
Total (95% CI)			**81**			**60**	**100.0%**	**0.14 [-0.91, 1.18]**

Heterogeneity: Tau² = 0.50; Chi² = 8.78, df = 1 (P = 0.003); I² = 89%
Test for overall effect: Z = 0.25 (P = 0.80)

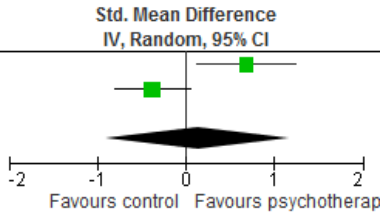


Figure 24: Secure attachment (dichotomous measure) (1-16 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 1999/Toth 2006	31	46	9	54	58.9%	4.04 [2.15, 7.59]
Cicchetti 2006	17	28	1	54	41.1%	32.79 [4.60, 233.80]
Total (95% CI)		**74**		**108**	**100.0%**	**9.55 [1.09, 83.42]**
Total events	48		10			

Heterogeneity: Tau² = 1.97; Chi² = 4.56, df = 1 (P = 0.03); I² = 78%
Test for overall effect: Z = 2.04 (P = 0.04)

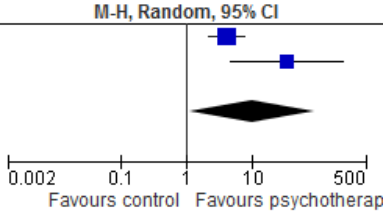


Figure 25: Secure attachment (continuous measure) (12 months)

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
5.3.1 Preschool (<4 years)								
Lieberman 1991	0.25	0.41	30	0.3	0.34	23	50.3%	-0.13 [-0.67, 0.41]
Subtotal (95% CI)			**30**			**23**	**50.3%**	**-0.13 [-0.67, 0.41]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.47 (P = 0.64)								
5.3.2 Primary school (4-11 years)								
Toth 2002	3.91	0.95	23	3.23	1.04	30	49.7%	0.67 [0.11, 1.23]
Subtotal (95% CI)			**23**			**30**	**49.7%**	**0.67 [0.11, 1.23]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.34 (P = 0.02)								
Total (95% CI)			**53**			**53**	**100.0%**	**0.27 [-0.51, 1.05]**

Heterogeneity: Tau² = 0.24; Chi² = 4.02, df = 1 (P = 0.05); I² = 75%
Test for overall effect: Z = 0.67 (P = 0.50)
Test for subgroup differences: Chi² = 4.02, df = 1 (P = 0.05), I² = 75.1%

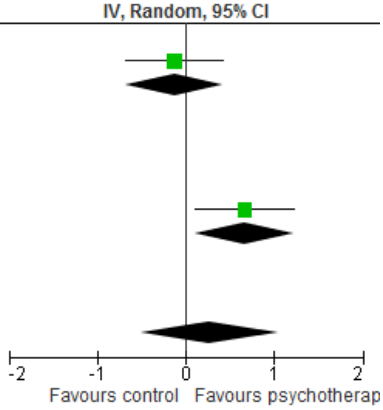


Figure 26: Insecure attachment (continuous measure) (12 months)

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Lieberman 1991	2.12	1.49566039	30	3.4	1.96724427	23	100.0%	-0.74 [-1.30, -0.17]
Total (95% CI)			**30**			**23**	**100.0%**	**-0.74 [-1.30, -0.17]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.56 (P = 0.01)

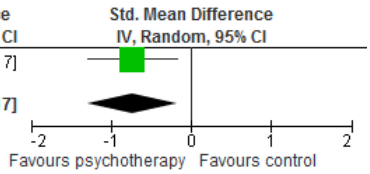


Figure 27: Insecure attachment (dichotomous measure) (1-16 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 1999/Toth 2006	10	46	23	54	83.9%	0.51 [0.27, 0.96]
Cicchetti 2006	2	28	11	54	16.1%	0.35 [0.08, 1.47]
Total (95% CI)		**74**		**108**	**100.0%**	**0.48 [0.27, 0.86]**
Total events	12		34			

Heterogeneity: Tau² = 0.00; Chi² = 0.23, df = 1 (P = 0.63); I² = 0%
Test for overall effect: Z = 2.49 (P = 0.01)

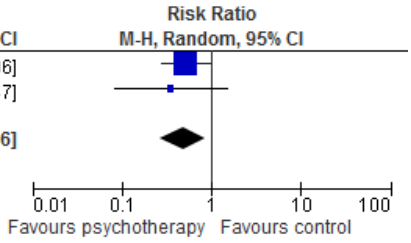


Figure 28: Disorganised attachment (1-16 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 1999/Toth 2006	5	46	22	54	28.2%	0.27 [0.11, 0.65]
Cicchetti 2006	9	28	42	54	71.8%	0.41 [0.24, 0.72]
Total (95% CI)		**74**		**108**	**100.0%**	**0.37 [0.23, 0.59]**
Total events	14		64			

Heterogeneity: Tau² = 0.00; Chi² = 0.69, df = 1 (P = 0.41); I² = 0%
Test for overall effect: Z = 4.19 (P < 0.0001)

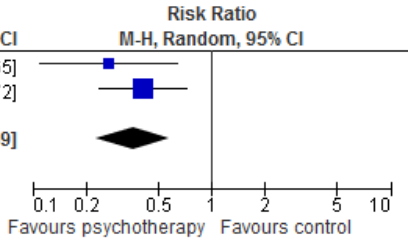


Figure 29: Secure attachment at follow-up (+12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	15	27	6	49	100.0%	4.54 [1.99, 10.32]
Total (95% CI)		**27**		**49**	**100.0%**	**4.54 [1.99, 10.32]**
Total events	15		6			

Heterogeneity: Not applicable
Test for overall effect: Z = 3.61 (P = 0.0003)

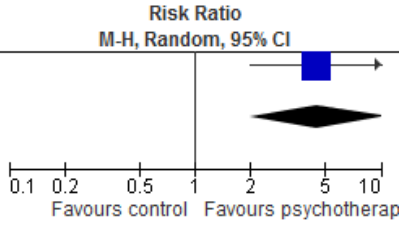


Figure 30: Insecure attachment at follow-up (+12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	5	27	19	49	100.0%	0.48 [0.20, 1.14]
Total (95% CI)		**27**		**49**	**100.0%**	**0.48 [0.20, 1.14]**
Total events	5		19			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.67 (P = 0.09)

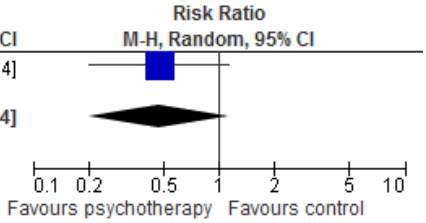
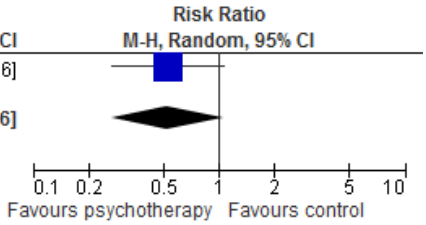


Figure 31: Disorganised attachment at follow-up (+12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	7	27	24	49	100.0%	0.53 [0.26, 1.06]
Total (95% CI)		**27**		**49**	**100.0%**	**0.53 [0.26, 1.06]**
Total events	7		24			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.78 (P = 0.07)



A.2.4 Parent-child psychotherapy versus home visiting

Figure 32: Secure attachment (dichotomous measure) (12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Home visiting Events	Home visiting Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	17	28	12	22	100.0%	1.11 [0.69, 1.81]
Total (95% CI)		**28**		**22**	**100.0%**	**1.11 [0.69, 1.81]**
Total events	17		12			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.43 (P = 0.66)

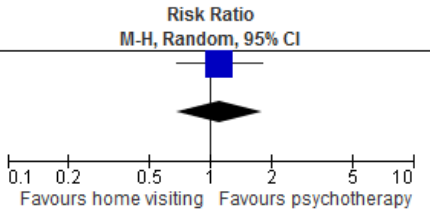


Figure 33: Secure attachment (continuous measure) (16 months)

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Home visiting Mean	Home visiting SD	Home visiting Total	Weight	Std. Mean Difference IV, Random, 95% CI
Toth 2002	1.7	2.08	23	2.38	1.42	34	100.0%	-0.39 [-0.93, 0.14]
Total (95% CI)			**23**			**34**	**100.0%**	**-0.39 [-0.93, 0.14]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.43 (P = 0.15)

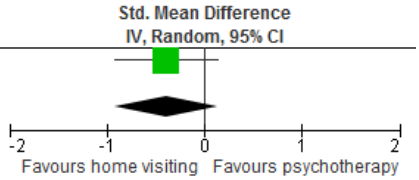


Figure 34: Less likely to have an insecure attachment (12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Home visiting Events	Home visiting Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	26	28	22	22	100.0%	0.93 [0.82, 1.06]
Total (95% CI)		**28**		**22**	**100.0%**	**0.93 [0.82, 1.06]**
Total events	26		22			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.05 (P = 0.29)

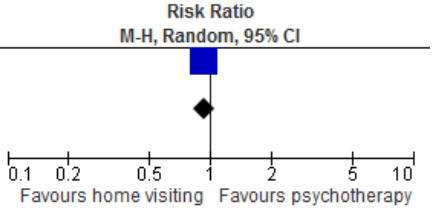


Figure 35: Disorganised attachment (12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Home visiting Events	Home visiting Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	9	28	10	22	100.0%	0.71 [0.35, 1.43]
Total (95% CI)		**28**		**22**	**100.0%**	**0.71 [0.35, 1.43]**
Total events	9		10			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.96 (P = 0.34)

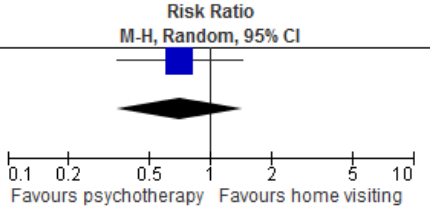


Figure 36: Secure attachment at follow-up (+12 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Home visiting Events	Home visiting Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	15	27	5	22	100.0%	2.44 [1.05, 5.67]
Total (95% CI)		**27**		**22**	**100.0%**	**2.44 [1.05, 5.67]**
Total events	15		5			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.08 (P = 0.04)

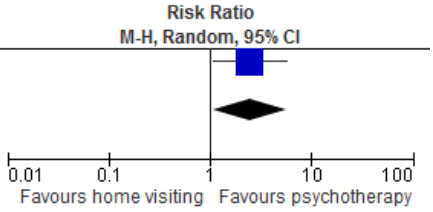


Figure 37: Less likely to have insecure attachment at follow-up (+12 months)

Study or Subgroup	Favours psychotherapy Events	Total	Home visiting Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	22	27	18	22	100.0%	1.00 [0.76, 1.30]
Total (95% CI)		**27**		**22**	**100.0%**	**1.00 [0.76, 1.30]**
Total events	22		18			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.03 (P = 0.98)

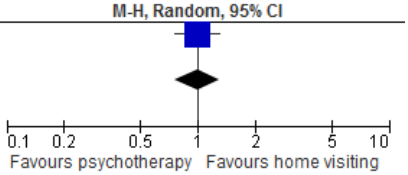
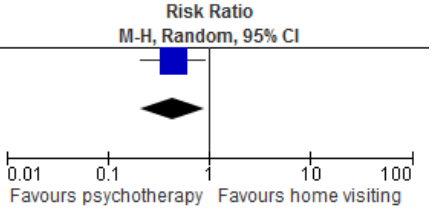


Figure 38: Disorganised attachment at follow-up (+12 months)

Study or Subgroup	Psychotherapy Events	Total	Home visiting Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti 2006	7	27	13	22	100.0%	0.44 [0.21, 0.91]
Total (95% CI)		**27**		**22**	**100.0%**	**0.44 [0.21, 0.91]**
Total events	7		13			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.22 (P = 0.03)



A.2.5 Parent sensitivity and behaviour training versus control

Figure 39: Sensitivity/Responsiveness (1-13 months) (Pre-school 1-13 months) (Primary school 3-4 months)

Study or Subgroup	Sensitivity training Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
10.1.1 Preschool <4 years								
Ammaniti 2006	7.25	1.06	45	6.67	37	33	9.5%	0.02 [-0.43, 0.47]
Britt 1994	52.6	4.3	14	51.9	5.9	12	4.1%	0.13 [-0.64, 0.91]
Cooper 2009	6.51	2.73	153	5.82	2.64	165	19.4%	0.26 [0.04, 0.48]
Horowitz 2001	9.55	1.77	60	8.8	1.86	57	12.3%	0.41 [0.04, 0.78]
Horowitz 2013	53.16	8.3	62	53.71	7	63	12.9%	-0.07 [-0.42, 0.28]
Subtotal (95% CI)			**334**			**330**	**58.3%**	**0.18 [0.02, 0.35]**
Heterogeneity: Tau² = 0.00; Chi² = 4.42, df = 4 (P = 0.35); I² = 9%								
Test for overall effect: Z = 2.17 (P = 0.03)								
10.1.2 Primary school (4-11 years)								
Hughes 2004	0.73	0.13	13	0.62	0.15	13	3.9%	0.76 [-0.04, 1.56]
O'Connor 2013	4	1.53	88	3.61	1.33	86	15.3%	0.27 [-0.03, 0.57]
Thomas 2011	5.2	1.6	43	5.2	1.6	33	9.4%	0.00 [-0.45, 0.45]
Thomas 2012	6.3	1.2	59	5.4	1.4	81	13.2%	0.68 [0.33, 1.02]
Subtotal (95% CI)			**203**			**213**	**41.7%**	**0.39 [0.06, 0.71]**
Heterogeneity: Tau² = 0.06; Chi² = 6.94, df = 3 (P = 0.07); I² = 57%								
Test for overall effect: Z = 2.35 (P = 0.02)								
Total (95% CI)			**537**			**543**	**100.0%**	**0.26 [0.09, 0.43]**
Heterogeneity: Tau² = 0.03; Chi² = 13.65, df = 8 (P = 0.09); I² = 41%								
Test for overall effect: Z = 3.00 (P = 0.003)								
Test for subgroup differences: Chi² = 1.21, df = 1 (P = 0.27), I² = 17.2%								

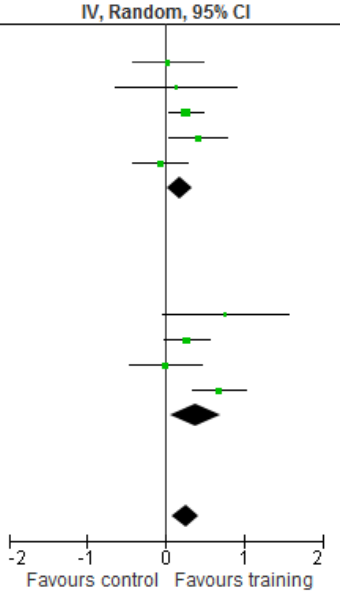


Figure 40: Externalising behaviour (3-4 months)

Study or Subgroup	Sensitivity training Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Thomas 2011	63.3	11.3	42	65.4	10.3	36	36.0%	-0.19 [-0.64, 0.25]
Thomas 2012	59	12.6	57	62.9	11.1	89	64.0%	-0.33 [-0.67, 0.00]
Total (95% CI)			**99**			**125**	**100.0%**	**-0.28 [-0.55, -0.01]**
Heterogeneity: Tau² = 0.00; Chi² = 0.24, df = 1 (P = 0.62); I² = 0%								
Test for overall effect: Z = 2.06 (P = 0.04)								

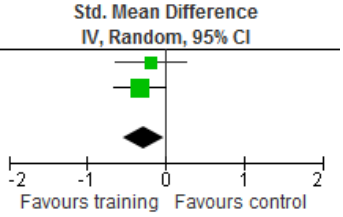


Figure 41: Internalising behaviour (3-4 months)

Study or Subgroup	Sensitivity training Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Thomas 2011	55.1	12.5	42	54	11.1	36	35.8%	0.09 [-0.35, 0.54]
Thomas 2012	56.5	10.9	57	55.1	12.2	89	64.2%	0.12 [-0.21, 0.45]
Total (95% CI)			**99**			**125**	**100.0%**	**0.11 [-0.16, 0.38]**

Heterogeneity: Tau² = 0.00; Chi² = 0.01, df = 1 (P = 0.92); I² = 0%
Test for overall effect: Z = 0.80 (P = 0.42)

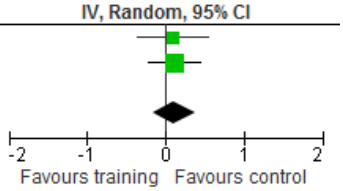


Figure 42: Negative parenting attitudes (3-4 months)

Study or Subgroup	Sensitivity training Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Thomas 2011	174	119.3	40	170.8	105.9	36	34.6%	0.03 [-0.42, 0.48]
Thomas 2012	137.1	110.7	59	149.1	103.4	91	65.4%	-0.11 [-0.44, 0.22]
Total (95% CI)			**99**			**127**	**100.0%**	**-0.06 [-0.33, 0.20]**

Heterogeneity: Tau² = 0.00; Chi² = 0.24, df = 1 (P = 0.62); I² = 0%
Test for overall effect: Z = 0.47 (P = 0.64)

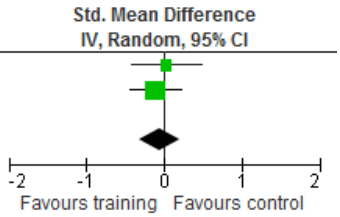


Figure 43: Sensitivity/Responsiveness at follow-up (+6 months)

Study or Subgroup	Sensitivity training Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cooper 2009	116	156	102	162	100.0%	1.18 [1.02, 1.37]
Total (95% CI)		**156**		**162**	**100.0%**	**1.18 [1.02, 1.37]**
Total events	116		102			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.18 (P = 0.03)

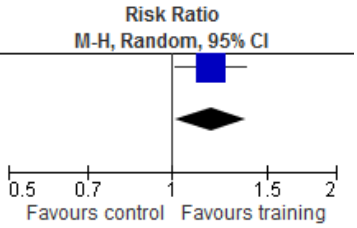


Figure 44: Secure attachment at follow-up (+6 months)

Study or Subgroup	Sensitivity training Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cooper 2009	6.51	2.73	153	5.82	2.64	165	100.0%	0.26 [0.04, 0.48]
Total (95% CI)			**153**			**165**	**100.0%**	**0.26 [0.04, 0.48]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.28 (P = 0.02)

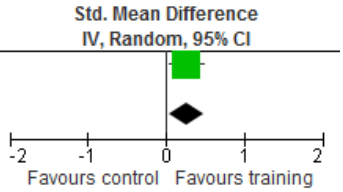


Figure 45: Less likely to have an insecure attachment at follow-up (+6 months)

Study or Subgroup	Sensitivity training Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cooper 2009	126	156	118	162	100.0%	1.11 [0.98, 1.25]
Total (95% CI)		**156**		**162**	**100.0%**	**1.11 [0.98, 1.25]**
Total events	126		118			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.67 (P = 0.09)

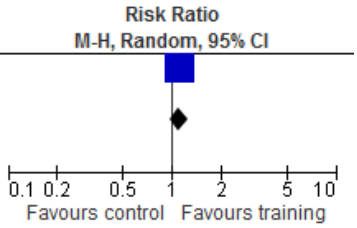
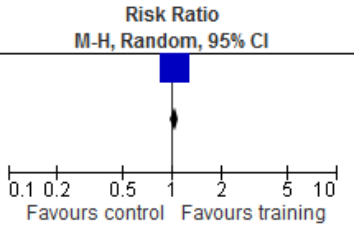


Figure 46: Less likely to have disorganised attachment at follow-up (+6 months)

Study or Subgroup	Sensitivity training Events	Sensitivity training Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cooper 2009	146	156	146	162	100.0%	1.04 [0.97, 1.11]
Total (95% CI)		**156**		**162**	**100.0%**	**1.04 [0.97, 1.11]**
Total events	146		146			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.13 (P = 0.26)



A.2.6 Home visiting versus control

Figure 47: Sensitivity/Responsiveness (1-36 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Armstrong 1999	0.53	0.155612	87	87	5.0%	0.53 [0.23, 0.83]
Barlow 2007	0.36	0.183673	62	59	4.3%	0.36 [0.00, 0.72]
Barlow 2013	0.099	0.112	159	163	6.2%	0.10 [-0.12, 0.32]
Booth 1989	0.13	0.206633	53	42	3.8%	0.13 [-0.27, 0.53]
Caldera 2007	0.19	0.127551	126	123	5.8%	0.19 [-0.06, 0.44]
Duggan 2004	0.18	0.086735	320	221	6.9%	0.18 [0.01, 0.35]
Goodson 2000	-0.02	0.038265	1369	1430	8.0%	-0.02 [-0.09, 0.05]
Heinicke 2001	1.61	0.290816	31	33	2.5%	1.61 [1.04, 2.18]
Infante-Rivard 1989	0.43	0.303571	21	23	2.4%	0.43 [-0.16, 1.02]
Kemp 2011	0.38	0.155612	89	80	5.0%	0.38 [0.08, 0.68]
Kitzman 1997	0.045	0.08	511	224	7.1%	0.04 [-0.11, 0.20]
Knoche 2012	0.44	0.265306	37	24	2.8%	0.44 [-0.08, 0.96]
Love 2005	0.11	0.048469	874	784	7.9%	0.11 [0.02, 0.20]
Norr 2003a	0.21	0.112245	182	141	6.2%	0.21 [-0.01, 0.43]
Norr 2003b	0	0.163265	76	78	4.8%	0.00 [-0.32, 0.32]
Olds 1994	0.706	0.302	19	30	2.4%	0.71 [0.11, 1.30]
Olds 2002	0.205	0.102	178	210	6.5%	0.20 [0.01, 0.40]
Schuler 2000	0.75	0.158163	84	87	4.9%	0.75 [0.44, 1.06]
Wagner 2002	0.03	0.234694	30	47	3.3%	0.03 [-0.43, 0.49]
Walkup 2009	-0.14	0.191327	47	68	4.1%	-0.14 [-0.51, 0.23]
Total (95% CI)			**4355**	**3954**	**100.0%**	**0.24 [0.14, 0.35]**

Heterogeneity: Tau² = 0.04; Chi² = 78.79, df = 19 (P < 0.00001); I² = 76%
Test for overall effect: Z = 4.44 (P < 0.00001)

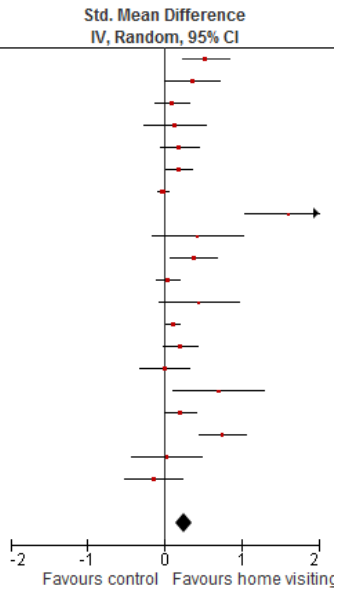


Figure 48: Secure attachment (dichotomous measure) (12 months)

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Barnett 1987	17	29	17	23	100.0%	0.79 [0.54, 1.17]
Total (95% CI)		**29**		**23**	**100.0%**	**0.79 [0.54, 1.17]**
Total events	17		17			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.16 (P = 0.24)

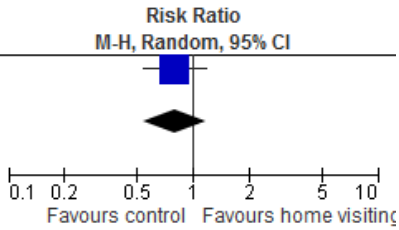


Figure 49: Secure attachment (continuous measure) (1-24 months)

Study or Subgroup	Home visiting Mean	Home visiting SD	Home visiting Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Armstrong 1999	-12.44	3.61	87	-13.51	3.61	87	37.8%	0.30 [-0.00, 0.59]
Heinicke 2001	6.1	0.94	31	4.21	1.81	33	32.0%	1.28 [0.74, 1.82]
Jacobson 1991	13.16	1.37	23	12.01	0.96	23	30.2%	0.96 [0.34, 1.57]
Total (95% CI)			**141**			**143**	**100.0%**	**0.81 [0.15, 1.47]**

Heterogeneity: Tau² = 0.27; Chi² = 11.40, df = 2 (P = 0.003); I² = 82%
Test for overall effect: Z = 2.42 (P = 0.02)

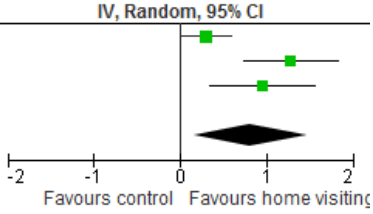


Figure 50: Insecure attachment (12-24 months)

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Barnett 1987	12	29	6	23	49.1%	1.59 [0.70, 3.58]
Heinicke 2001	7	31	16	30	50.9%	0.42 [0.20, 0.88]
Total (95% CI)		**60**		**53**	**100.0%**	**0.81 [0.22, 2.95]**
Total events	19		22			

Heterogeneity: Tau² = 0.72; Chi² = 5.60, df = 1 (P = 0.02); I² = 82%
Test for overall effect: Z = 0.32 (P = 0.75)

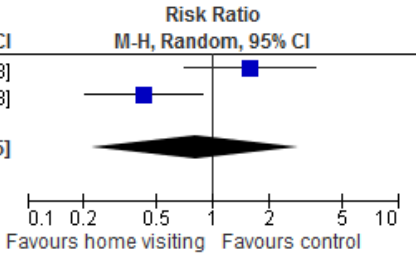


Figure 51: Externalising behaviour (7-36 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Barlow 2013	-0.262	0.112	159	163	9.9%	-0.26 [-0.48, -0.04]
Caldera 2007	-0.24	0.127551	126	123	8.2%	-0.24 [-0.49, 0.01]
Goodson 2000	-0.03	0.038265	1440	1415	27.7%	-0.03 [-0.10, 0.04]
Kitzman 1997	-0.132	0.08	511	224	15.4%	-0.13 [-0.29, 0.02]
Love 2005	-0.06	0.04591837	1069	962	25.1%	-0.06 [-0.15, 0.03]
Olds 2002	-0.08	0.102	178	210	11.3%	-0.08 [-0.28, 0.12]
Walkup 2009	-0.63	0.255102	35	30	2.5%	-0.63 [-1.13, -0.13]
Total (95% CI)			**3518**	**3127**	**100.0%**	**-0.11 [-0.19, -0.03]**

Heterogeneity: Tau² = 0.00; Chi² = 11.18, df = 6 (P = 0.08); I² = 46%
Test for overall effect: Z = 2.75 (P = 0.006)

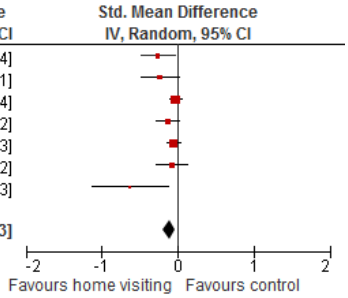


Figure 52: Internalising behaviour (7-36 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Barlow 2013	-0.137	0.112	159	163	26.5%	-0.14 [-0.36, 0.08]
Caldera 2007	-0.29	0.127551	126	123	23.9%	-0.29 [-0.54, -0.04]
Goodson 2000	0.03	0.038265	1440	1415	39.0%	0.03 [-0.04, 0.10]
Walkup 2009	-0.35	0.252551	35	30	10.7%	-0.35 [-0.84, 0.14]
Total (95% CI)			**1760**	**1731**	**100.0%**	**-0.13 [-0.32, 0.06]**

Heterogeneity: Tau² = 0.02; Chi² = 8.98, df = 3 (P = 0.03); I² = 67%
Test for overall effect: Z = 1.37 (P = 0.17)

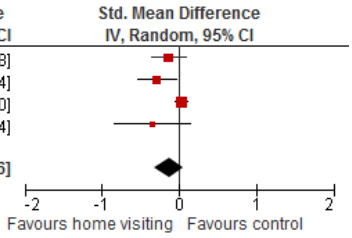


Figure 53: Mental development (9-36 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Black 1994	-0.09	0.257653	31	29	0.9%	-0.09 [-0.59, 0.41]
Caldera 2007	0.27	0.127551	126	123	3.8%	0.27 [0.02, 0.52]
Goodson 2000	0.08	0.038265	1401	1335	42.7%	0.08 [0.01, 0.15]
Heinicke 2001	0	0.25	31	33	1.0%	0.00 [-0.49, 0.49]
Infante-Rivard 1989	0.11	0.30102	21	23	0.7%	0.11 [-0.48, 0.70]
Kemp 2011	0.1	0.191327	60	50	1.7%	0.10 [-0.27, 0.47]
Kitzman 1997	0.014	0.08	511	224	9.8%	0.01 [-0.14, 0.17]
Love 2005	0.09	0.05102	879	779	24.0%	0.09 [-0.01, 0.19]
Norr 2003a	0.22	0.112245	182	141	5.0%	0.22 [0.00, 0.44]
Norr 2003b	-0.07	0.160714	76	78	2.4%	-0.07 [-0.38, 0.24]
Olds 1994	0.197	0.289	20	30	0.7%	0.20 [-0.37, 0.76]
Olds 2002	0.059	0.102	178	210	6.0%	0.06 [-0.14, 0.26]
Wagner 2002	0.05	0.232143	31	47	1.2%	0.05 [-0.40, 0.50]
Total (95% CI)			**3547**	**3102**	**100.0%**	**0.08 [0.03, 0.13]**

Heterogeneity: Tau² = 0.00; Chi² = 6.12, df = 12 (P = 0.91); I² = 0%
Test for overall effect: Z = 3.36 (P = 0.0008)

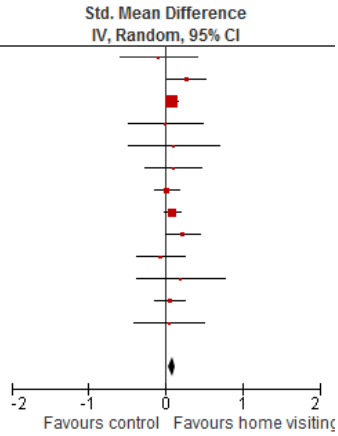


Figure 54: Motor development (13-24 months)

Study or Subgroup	Home visiting Mean	Home visiting SD	Home visiting Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Black 1994	100.7	50.67	31	100	12.92	29	6.3%	0.02 [-0.49, 0.52]
Caldera 2007	98.1	11.85	126	96	10.98	123	26.1%	0.18 [-0.07, 0.43]
Heinicke 2001	97.4	13.07	31	93.1	14	33	6.6%	0.31 [-0.18, 0.81]
Kemp 2011	103.26	13.47	60	103.07	14.55	50	11.5%	0.01 [-0.36, 0.39]
Norr 2003a	99.4	15.7	182	97.7	16.9	141	33.4%	0.10 [-0.12, 0.32]
Norr 2003b	97.9	16.3	76	97.4	16.7	78	16.2%	0.03 [-0.29, 0.35]
Total (95% CI)			**506**			**454**	**100.0%**	**0.11 [-0.02, 0.24]**

Heterogeneity: Tau² = 0.00; Chi² = 1.61, df = 5 (P = 0.90); I² = 0%
Test for overall effect: Z = 1.71 (P = 0.09)

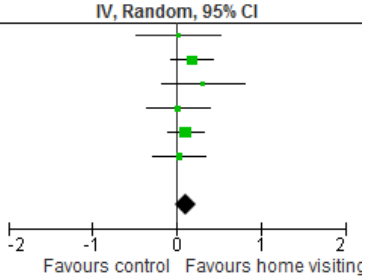


Figure 55: Parenting attitudes (24-25 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Caldera 2007	0.24	0.125	126	123	26.8%	0.24 [-0.00, 0.48]
Kitzman 1997	0.161	0.08	511	224	65.4%	0.16 [0.00, 0.32]
Wagner 2002	0.19	0.232143	31	47	7.8%	0.19 [-0.26, 0.64]
Total (95% CI)			**668**	**394**	**100.0%**	**0.18 [0.06, 0.31]**

Heterogeneity: Tau² = 0.00; Chi² = 0.28, df = 2 (P = 0.87); I² = 0%
Test for overall effect: Z = 2.85 (P = 0.004)

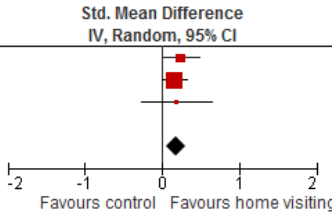


Figure 56: Secure attachment at follow-up (+1 month)

Study or Subgroup	Home visiting Mean	Home visiting SD	Home visiting Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Armstrong 1999	-12.05	3.47	80	-12.78	3.67	80	100.0%	0.20 [-0.11, 0.51]
Total (95% CI)			**80**			**80**	**100.0%**	**0.20 [-0.11, 0.51]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.28 (P = 0.20)

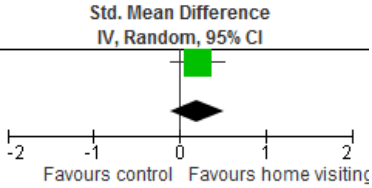


Figure 57: Sensitivity/Responsiveness at follow-up (+1-10 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Armstrong 1999	0.41	0.160714	80	80	60.2%	0.41 [0.10, 0.72]
Black 1994	0.67	0.265306	31	29	22.1%	0.67 [0.15, 1.19]
Olds 1994	0.376	0.296	19	30	17.7%	0.38 [-0.20, 0.96]
Total (95% CI)			**130**	**139**	**100.0%**	**0.46 [0.22, 0.71]**

Heterogeneity: Tau² = 0.00; Chi² = 0.80, df = 2 (P = 0.67); I² = 0%
Test for overall effect: Z = 3.70 (P = 0.0002)

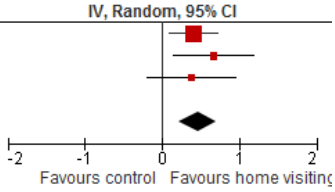


Figure 58: Mental development at follow-up (+6-10 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Infante-Rivard 1989	0.11	0.30102	21	23	50.3%	0.11 [-0.48, 0.70]
Olds 1994	0.195	0.303	19	30	49.7%	0.20 [-0.40, 0.79]
Total (95% CI)			**40**	**53**	**100.0%**	**0.15 [-0.27, 0.57]**

Heterogeneity: Tau² = 0.00; Chi² = 0.04, df = 1 (P = 0.84); I² = 0%
Test for overall effect: Z = 0.71 (P = 0.48)

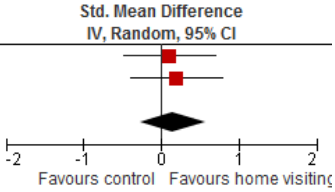


Figure 59: Motor development at follow-up (+6 months)

Study or Subgroup	Home visiting Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Infante-Rivard 1989	118.4	8.8	21	114.2	13.2	23	100.0%	0.36 [-0.23, 0.96]
Total (95% CI)			**21**			**23**	**100.0%**	**0.36 [-0.23, 0.96]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.20 (P = 0.23)

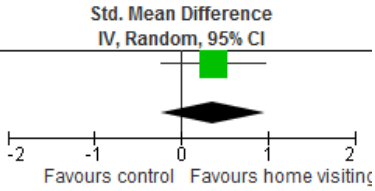


Figure 60: Sensitivity/Responsiveness at follow-up (+22 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Olds 1994	0.3756448	0.29564303	19	30	100.0%	0.38 [-0.20, 0.96]
Total (95% CI)			**19**	**30**	**100.0%**	**0.38 [-0.20, 0.96]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.27 (P = 0.20)

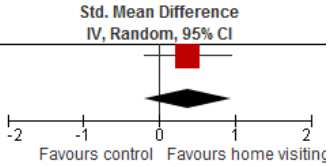


Figure 61: Less likely to have internalising behaviour at follow-up (+48 months)

Study or Subgroup	Home visiting Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002	151	169	158	176	100.0%	1.00 [0.93, 1.07]
Total (95% CI)		**169**		**176**	**100.0%**	**1.00 [0.93, 1.07]**
Total events	151		158			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.13 (P = 0.90)

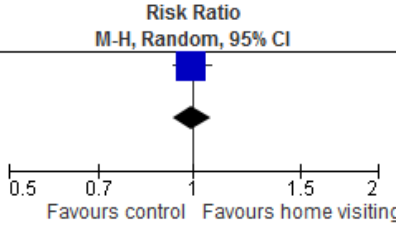


Figure 62: Less likely to have externalising behaviour at follow-up (+48 months)

Study or Subgroup	Home visiting Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002	167	169	171	176	100.0%	1.02 [0.99, 1.05]
Total (95% CI)		**169**		**176**	**100.0%**	**1.02 [0.99, 1.05]**
Total events	167		171			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.10 (P = 0.27)

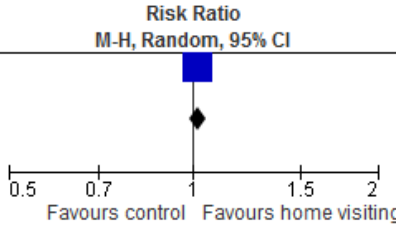


Figure 63: Mental development (+22 months)

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Olds 1994	0.1948713	0.30253734	19	30	100.0%	0.19 [-0.40, 0.79]
Total (95% CI)			**19**	**30**	**100.0%**	**0.19 [-0.40, 0.79]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.64 (P = 0.52)

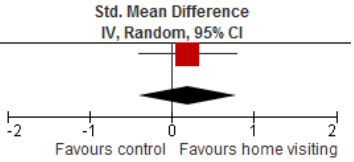


Figure 64: Less likely to have internalising behaviour at follow-up (+84 months)

Study or Subgroup	Home visiting Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002	129	138	148	165	100.0%	1.04 [0.97, 1.12]
Total (95% CI)		**138**		**165**	**100.0%**	**1.04 [0.97, 1.12]**
Total events	129		148			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.19 (P = 0.23)

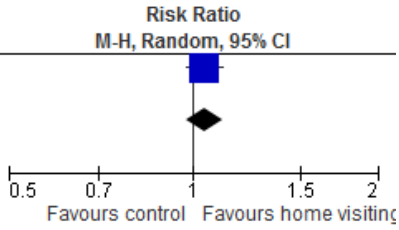
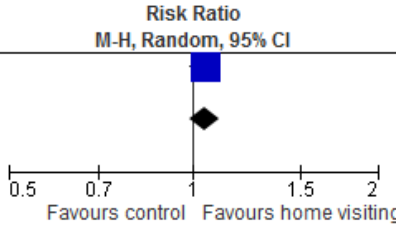


Figure 65: Less likely to have externalising behaviour at follow-up (+84 months)

Study or Subgroup	Home visiting Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002	133	138	151	164	100.0%	1.05 [0.99, 1.11]
Total (95% CI)		**138**		**164**	**100.0%**	**1.05 [0.99, 1.11]**
Total events	133		151			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.62 (P = 0.11)



A.2.7 Home visiting and parent-child psychotherapy versus control

Figure 66: Sensitivity/Responsiveness (4 months)

Study or Subgroup	Intervention Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Sadler 2013	25	45	22	31	100.0%	0.78 [0.55, 1.11]
Total (95% CI)		**45**		**31**	**100.0%**	**0.78 [0.55, 1.11]**
Total events	25		22			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.39 (P = 0.16)

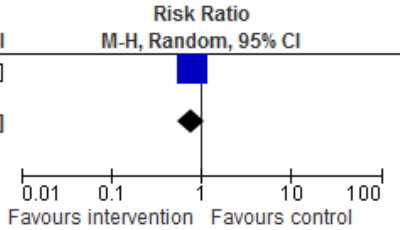


Figure 67: Secure attachment (12 months)

Study or Subgroup	Intervention Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Sadler 2013	26	41	15	41	100.0%	1.73 [1.09, 2.76]
Total (95% CI)		**41**		**41**	**100.0%**	**1.73 [1.09, 2.76]**
Total events	26		15			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.32 (P = 0.02)

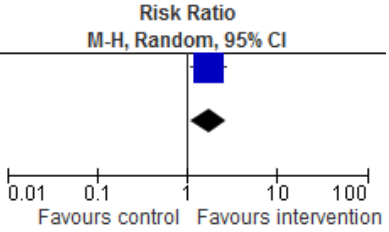
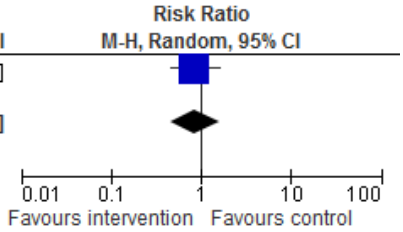


Figure 68: Disorganised attachment (12 months)

Study or Subgroup	Intervention Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Sadler 2013	11	30	13	30	100.0%	0.85 [0.45, 1.58]
Total (95% CI)		**30**		**30**	**100.0%**	**0.85 [0.45, 1.58]**
Total events	11		13			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.53 (P = 0.60)



A.2.8 Psychotherapy versus control

Figure 69: Sensitivity/Responsiveness (12 weeks)

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Suchman 2010	37.79	3.45	23	35.75	3.44	24	100.0%	0.58 [-0.00, 1.17]
Total (95% CI)			**23**			**24**	**100.0%**	**0.58 [-0.00, 1.17]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.95 (P = 0.05)

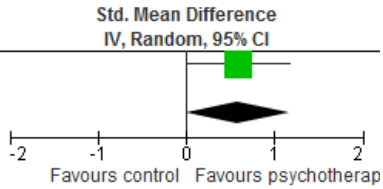


Figure 70: Sensitivity/Responsiveness at follow-up (+6 weeks)

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Suchman 2010	37.06	3.39	23	34.61	3.38	24	100.0%	0.71 [0.12, 1.30]
Total (95% CI)			**23**			**24**	**100.0%**	**0.71 [0.12, 1.30]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.36 (P = 0.02)

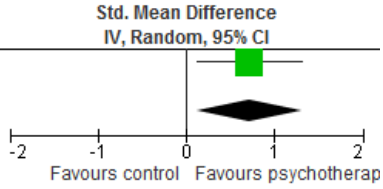
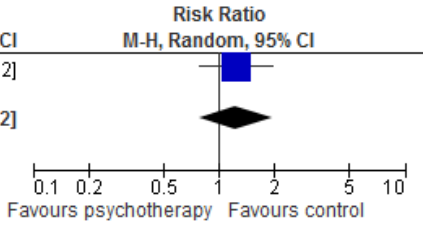


Figure 71: Insecure attachment at follow-up (+6 weeks)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Murray 2003	21	40	20	47	100.0%	1.23 [0.79, 1.92]
Total (95% CI)		**40**		**47**	**100.0%**	**1.23 [0.79, 1.92]**
Total events	21		20			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.93 (P = 0.35)

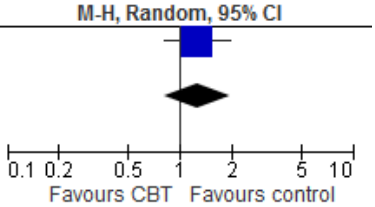


A.2.9 CBT versus control

Figure 72: Insecure attachment (14 months)

Study or Subgroup	CBT Events	CBT Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Murray 2003	22	41	20	47	100.0%	1.26 [0.81, 1.95]
Total (95% CI)		**41**		**47**	**100.0%**	**1.26 [0.81, 1.95]**
Total events	22		20			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.04 (P = 0.30)

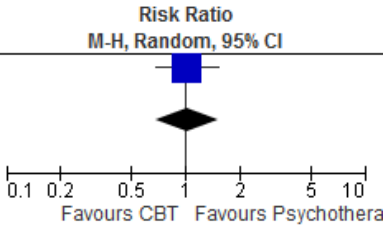


A.2.10 CBT versus psychotherapy

Figure 73: Insecure attachment (14 months)

Study or Subgroup	CBT Events	CBT Total	Psychotherapy Events	Psychotherapy Total	Weight	Risk Ratio M-H, Random, 95% CI
Murray 2003	22	41	21	40	100.0%	1.02 [0.68, 1.54]
Total (95% CI)		**41**		**40**	**100.0%**	**1.02 [0.68, 1.54]**
Total events	22		21			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.10 (P = 0.92)

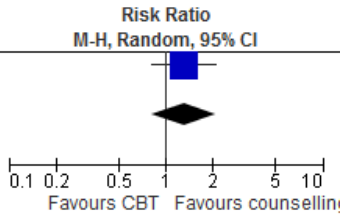


A.2.11 CBT versus counselling

Figure 74: Insecure attachment (14 months)

Study or Subgroup	CBT Events	CBT Total	Non-directive counselling Events	Non-directive counselling Total	Weight	Risk Ratio M-H, Random, 95% CI
Murray 2003	22	41	16	39	100.0%	1.31 [0.82, 2.10]
Total (95% CI)		**41**		**39**	**100.0%**	**1.31 [0.82, 2.10]**
Total events	22		16			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.12 (P = 0.26)

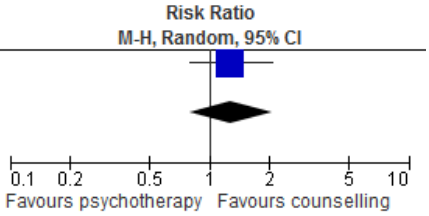


CBT versus counselling for children on the edge of care

Figure 75: Insecure attachment (14 months)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Counselling Events	Counselling Total	Weight	Risk Ratio M-H, Random, 95% CI
Murray 2003	21	40	16	39	100.0%	1.28 [0.79, 2.06]
Total (95% CI)		**40**		**39**	**100.0%**	**1.28 [0.79, 2.06]**
Total events	21		16			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.01 (P = 0.31)

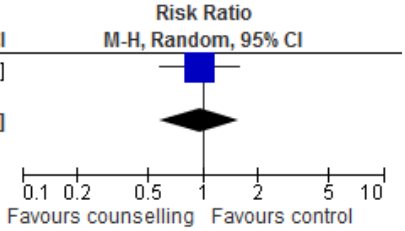


A.2.12 Counselling versus control

Figure 76: Insecure attachment (14 months)

Study or Subgroup	Counselling Events	Counselling Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Murray 2003	16	39	20	47	100.0%	0.96 [0.58, 1.59]
Total (95% CI)		**39**		**47**	**100.0%**	**0.96 [0.58, 1.59]**
Total events	16		20			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.14 (P = 0.89)



A.3 Psychosocial Interventions for children on the edge of care who have been or are at risk of maltreatment

A.3.1 Home visiting versus control

Figure 77. Sensitivity/Responsiveness

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Caldera/Duggan 2007	0.19	0.127551	126	123	21.2%	0.19 [-0.06, 0.44]
Duggan 1999/2004	0.18	0.086735	320	221	45.8%	0.18 [0.01, 0.35]
Olds 2002/2004/2014	0.205	0.102	178	210	33.1%	0.20 [0.01, 0.40]
Total (95% CI)			**624**	**554**	**100.0%**	**0.19 [0.08, 0.31]**

Heterogeneity: Tau² = 0.00; Chi² = 0.03, df = 2 (P = 0.98); I² = 0%
Test for overall effect: Z = 3.25 (P = 0.001)

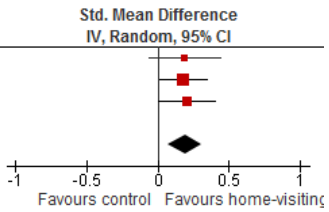


Figure 78. Parenting attitudes

Study or Subgroup	Home visiting Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Caldera/Duggan 2007	130	18.64	126	125.6	17.12	123	39.0%	0.24 [-0.00, 0.49]
Fergusson 2005	10.14	1	184	9.88	1	207	61.0%	0.26 [0.06, 0.46]
Total (95% CI)			**310**			**330**	**100.0%**	**0.25 [0.10, 0.41]**

Heterogeneity: Tau² = 0.00; Chi² = 0.01, df = 1 (P = 0.93); I² = 0%
Test for overall effect: Z = 3.19 (P = 0.001)

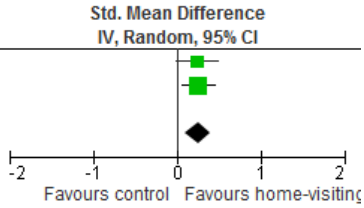


Figure 79. Externalising behaviour

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Caldera/Duggan 2007	-0.24	0.127551	126	123	21.1%	-0.24 [-0.49, 0.01]
Fergusson 2005	-0.27	0.0816	184	207	47.1%	-0.27 [-0.43, -0.11]
Olds 2002/2004/2014	-0.08	0.102	178	210	31.8%	-0.08 [-0.28, 0.12]
Total (95% CI)			**488**	**540**	**100.0%**	**-0.20 [-0.32, -0.08]**

Heterogeneity: Tau² = 0.00; Chi² = 2.21, df = 2 (P = 0.33); I² = 10%
Test for overall effect: Z = 3.36 (P = 0.0008)

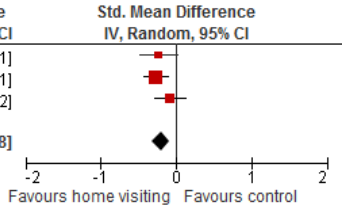


Figure 80. Internalising behaviour

Study or Subgroup	Home visiting Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Caldera/Duggan 2007	48.2	9.08	126	51	10.36	123	38.9%	-0.29 [-0.54, -0.04]
Fergusson 2005	9.86	1	184	10.12	1	207	61.1%	-0.26 [-0.46, -0.06]
Total (95% CI)			**310**			**330**	**100.0%**	**-0.27 [-0.43, -0.11]**

Heterogeneity: Tau² = 0.00; Chi² = 0.03, df = 1 (P = 0.87); I² = 0%
Test for overall effect: Z = 3.40 (P = 0.0007)

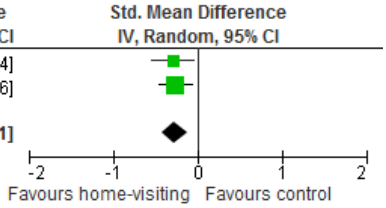


Figure 81. Mental development

Study or Subgroup	Std. Mean Difference	SE	Home visiting Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Olds 2002/2004/2014	0.059	0.102	178	210	56.6%	0.06 [-0.14, 0.26]
Caldera/Duggan 2007	0.27	0.127551	126	123	43.4%	0.27 [0.02, 0.52]
Total (95% CI)			**304**	**333**	**100.0%**	**0.15 [-0.05, 0.36]**

Heterogeneity: Tau² = 0.01; Chi² = 1.67, df = 1 (P = 0.20); I² = 40%
Test for overall effect: Z = 1.44 (P = 0.15)

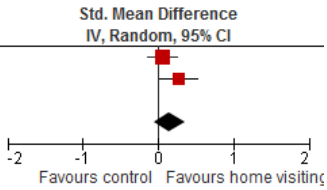


Figure 82. Motor development

Study or Subgroup	Home visiting Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Caldera/Duggan 2007	98.1	11.85	126	96	10.98	123	100.0%	0.18 [-0.07, 0.43]
Total (95% CI)			**126**			**123**	**100.0%**	**0.18 [-0.07, 0.43]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.44 (P = 0.15)

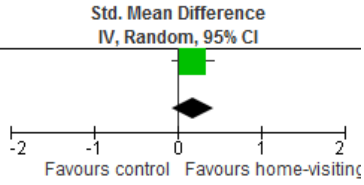


Figure 83. Child abuse reports (12 weeks mid-treatment)

Study or Subgroup	Home visiting Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Caldera/Duggan 2007	18	151	16	158	100.0%	1.18 [0.62, 2.22]
Total (95% CI)		**151**		**158**	**100.0%**	**1.18 [0.62, 2.22]**
Total events	18		16			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.50 (P = 0.61)

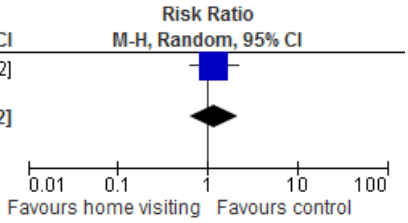


Figure 84. Child abuse report

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Caldera/Duggan 2007	13	147	14	150	23.0%	0.95 [0.46, 1.95]
Fergusson 2005	36	184	44	207	77.0%	0.92 [0.62, 1.36]
Total (95% CI)		**331**		**357**	**100.0%**	**0.93 [0.66, 1.31]**
Total events	49		58			

Heterogeneity: Tau² = 0.00; Chi² = 0.00, df = 1 (P = 0.94); I² = 0%
Test for overall effect: Z = 0.43 (P = 0.67)

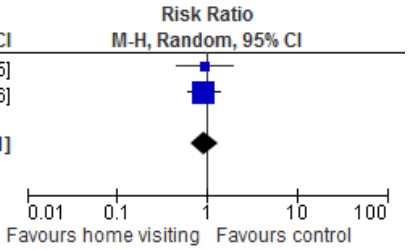


Figure 85. Severe physical assault

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Fergusson 2005	8	184	24	207	100.0%	0.38 [0.17, 0.81]
Total (95% CI)		**184**		**207**	**100.0%**	**0.38 [0.17, 0.81]**
Total events	8		24			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.48 (P = 0.01)

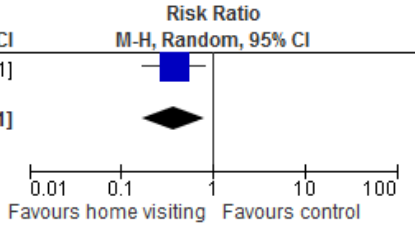


Figure 86. Externalising behaviour (2 year follow up)

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002/2004/2014	167	169	171	176	100.0%	1.02 [0.99, 1.05]
Total (95% CI)		**169**		**176**	**100.0%**	**1.02 [0.99, 1.05]**
Total events	167		171			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.10 (P = 0.27)

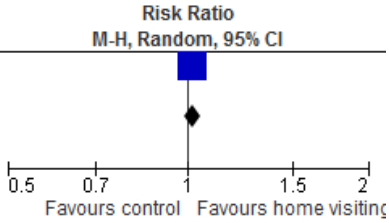


Figure 87. Internalising behaviour (2 year follow up)

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002/2004/2014	151	169	158	176	100.0%	1.00 [0.93, 1.07]
Total (95% CI)		**169**		**176**	**100.0%**	**1.00 [0.93, 1.07]**
Total events	151		158			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.13 (P = 0.90)

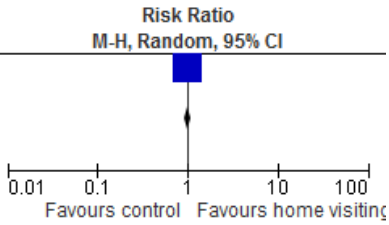


Figure 88. Externalising behaviour (7 year follow up)

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002/2004/2014	133	138	151	164	100.0%	1.05 [0.99, 1.11]
Total (95% CI)		**138**		**164**	**100.0%**	**1.05 [0.99, 1.11]**
Total events	133		151			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.62 (P = 0.11)

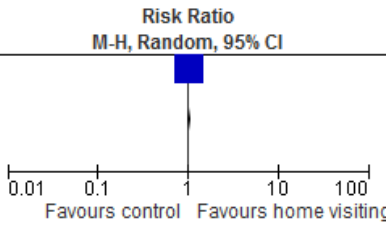
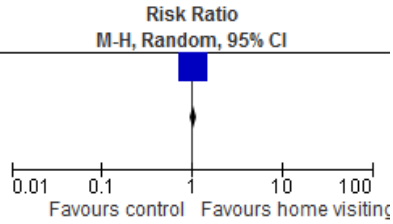


Figure 89. Externalising behaviour (7 year follow up)

Study or Subgroup	Home visiting Events	Home visiting Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Olds 2002/2004/2014	129	138	148	165	100.0%	1.04 [0.97, 1.12]
Total (95% CI)		**138**		**165**	**100.0%**	**1.04 [0.97, 1.12]**
Total events	129		148			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.19 (P = 0.23)



A.3.2 Parent child psychotherapy versus control

Figure 90. Secure attachment

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Toth 2002	3.91	0.95	23	3.15	1.23	34	100.0%	0.67 [0.12, 1.21]
Total (95% CI)			**23**			**34**	**100.0%**	**0.67 [0.12, 1.21]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.40 (P = 0.02)

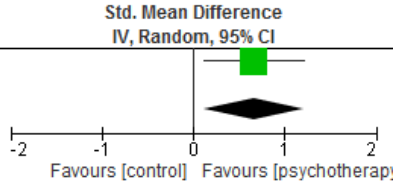


Figure 91. Less likely to have insecure attachment

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	11	28	53	54	100.0%	0.40 [0.25, 0.64]
Total (95% CI)		**28**		**54**	**100.0%**	**0.40 [0.25, 0.64]**
Total events	11		53			

Heterogeneity: Not applicable
Test for overall effect: Z = 3.89 (P = 0.0001)

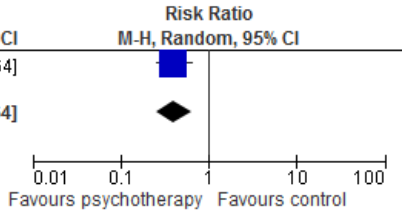


Figure 92. Insecure attachment

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	2	28	11	54	100.0%	0.35 [0.08, 1.47]
Total (95% CI)		**28**		**54**	**100.0%**	**0.35 [0.08, 1.47]**
Total events	2		11			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.43 (P = 0.15)

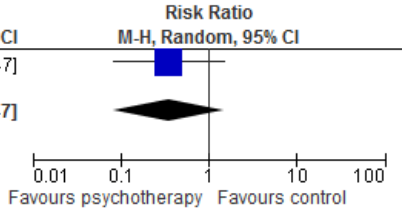


Figure 93. Disorganised attachment

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	9	28	42	54	100.0%	0.41 [0.24, 0.72]
Total (95% CI)		**28**		**54**	**100.0%**	**0.41 [0.24, 0.72]**
Total events	9		42			

Heterogeneity: Not applicable
Test for overall effect: Z = 3.11 (P = 0.002)

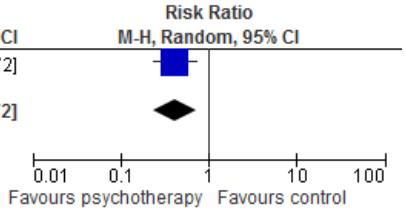


Figure 94. Maternal maladaptive representations

Study or Subgroup	Psychotherapy Mean	Psychotherapy SD	Psychotherapy Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Toth 2002	1.7	2.08	23	2.38	1.42	34	100.0%	-0.39 [-0.93, 0.14]
Total (95% CI)			**23**			**34**	**100.0%**	**-0.39 [-0.93, 0.14]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.43 (P = 0.15)

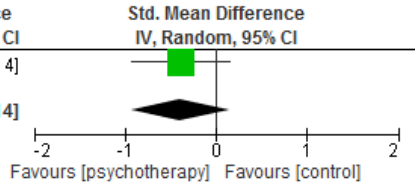


Figure 95. Secure attachment (12 month follow up)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	15	27	6	49	100.0%	4.54 [1.99, 10.32]
Total (95% CI)		**27**		**49**	**100.0%**	**4.54 [1.99, 10.32]**
Total events	15		6			

Heterogeneity: Not applicable
Test for overall effect: Z = 3.61 (P = 0.0003)

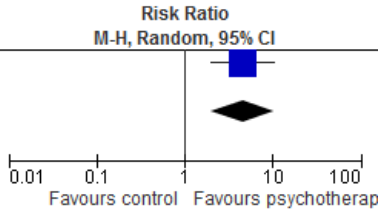


Figure 96. Less likely to have a secure attachment (12 month follow up)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	22	27	30	49	100.0%	1.33 [1.00, 1.77]
Total (95% CI)		**27**		**49**	**100.0%**	**1.33 [1.00, 1.77]**
Total events	22		30			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.96 (P = 0.05)

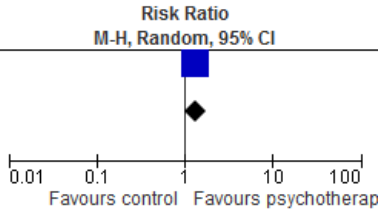
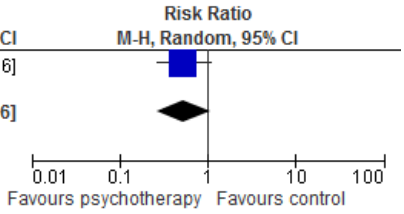


Figure 97. Disorganised attachment (12 month follow up)

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	7	27	24	49	100.0%	0.53 [0.26, 1.06]
Total (95% CI)		**27**		**49**	**100.0%**	**0.53 [0.26, 1.06]**
Total events	7		24			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.78 (P = 0.07)



A.3.3 Parent child psychotherapy versus home visiting

Figure 98. Secure attachment

Study or Subgroup	Psychotherapy Events	Psychotherapy Total	Home visiting Events	Home visiting Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	17	28	12	22	100.0%	1.11 [0.69, 1.81]
Total (95% CI)		**28**		**22**	**100.0%**	**1.11 [0.69, 1.81]**
Total events	17		12			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.43 (P = 0.66)

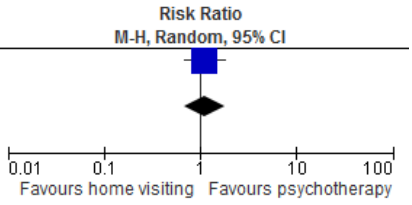


Figure 99. Secure attachment

Study or Subgroup	Psychotherapy Mean	SD	Total	Home visiting Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Toth 2002	3.91	0.95	23	3.23	1.04	30	100.0%	0.67 [0.11, 1.23]
Total (95% CI)			**23**			**30**	**100.0%**	**0.67 [0.11, 1.23]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.34 (P = 0.02)

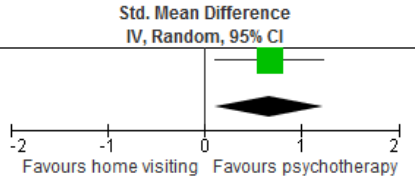


Figure 100. Less likely to have an insecure attachment

Study or Subgroup	Psychotherapy Events	Total	Home visiting Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	26	28	22	22	100.0%	0.93 [0.82, 1.06]
Total (95% CI)		**28**		**22**	**100.0%**	**0.93 [0.82, 1.06]**
Total events	26		22			

Heterogeneity: Not applicable
Test for overall effect: Z = 1.05 (P = 0.29)

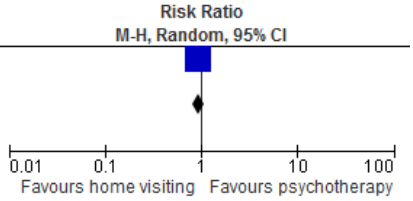


Figure 101. Disorganised attachment

Study or Subgroup	Psychotherapy Events	Total	Home visiting Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	9	28	10	22	100.0%	0.71 [0.35, 1.43]
Total (95% CI)		**28**		**22**	**100.0%**	**0.71 [0.35, 1.43]**
Total events	9		10			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.96 (P = 0.34)

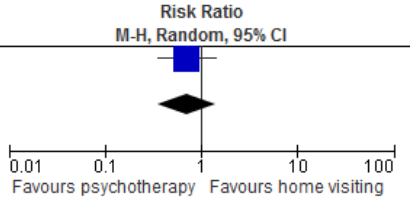


Figure 102. Maternal maladaptive representations

Study or Subgroup	Psychotherapy Mean	SD	Total	Home visiting Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Toth 2002	1.7	2.08	23	2.38	1.42	34	100.0%	-0.39 [-0.93, 0.14]
Total (95% CI)			**23**			**34**	**100.0%**	**-0.39 [-0.93, 0.14]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.43 (P = 0.15)

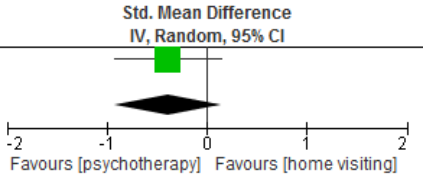


Figure 103. Secure attachment (12 month follow up)

Study or Subgroup	Psychotherapy Events	Total	Home visiting Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	15	27	5	22	100.0%	2.44 [1.05, 5.67]
Total (95% CI)		**27**		**22**	**100.0%**	**2.44 [1.05, 5.67]**
Total events	15		5			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.08 (P = 0.04)

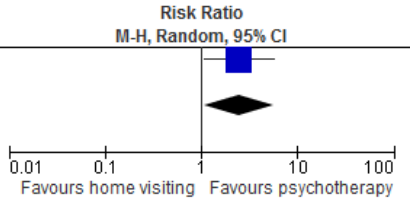


Figure 104. Less likely to have an insecure attachment (12 month follow up)

Study or Subgroup	Favours psychotherapy Events	Total	Home visiting Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	22	27	18	22	100.0%	1.00 [0.76, 1.30]
Total (95% CI)		**27**		**22**	**100.0%**	**1.00 [0.76, 1.30]**
Total events	22		18			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.03 (P = 0.98)

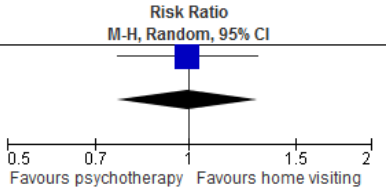
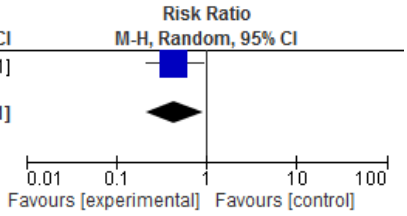


Figure 105. Disorganised attachment (12 month follow up)

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Cicchetti2006/Stronach'13	7	27	13	22	100.0%	0.44 [0.21, 0.91]
Total (95% CI)		**27**		**22**	**100.0%**	**0.44 [0.21, 0.91]**
Total events	7		13			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.22 (P = 0.03)



A.3.4 Parent sensitivity and behaviour training

Figure 106. Sensitivity/responsiveness

Study or Subgroup	Training Mean	Training SD	Training Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Chaffin 2004	152	72.5843	42	107	106.4894	35	26.6%	0.50 [0.04, 0.95]
Hughes 2004	0.73	0.13	13	0.62	0.15	13	13.3%	0.76 [-0.04, 1.56]
Thomas 2011	5.2	1.6	43	5.2	1.6	33	26.7%	0.00 [-0.45, 0.45]
Thomas 2012	6.3	1.2	59	5.4	1.4	81	33.4%	0.68 [0.33, 1.02]
Total (95% CI)			**157**			**162**	**100.0%**	**0.46 [0.12, 0.80]**

Heterogeneity: Tau² = 0.06; Chi² = 6.04, df = 3 (P = 0.11); I² = 50%
Test for overall effect: Z = 2.66 (P = 0.008)

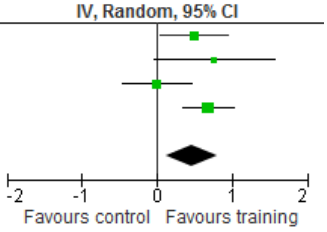


Figure 107. Negative parenting behaviours

Study or Subgroup	PCIT Mean	PCIT SD	PCIT Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Chaffin 2004	14	18.79415	42	32	28.39718	35	100.0%	-0.75 [-1.22, -0.29]
Total (95% CI)			**42**			**35**	**100.0%**	**-0.75 [-1.22, -0.29]**

Heterogeneity: Not applicable
Test for overall effect: Z = 3.18 (P = 0.001)

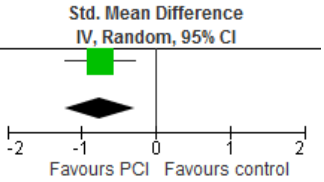


Figure 108. Negative parenting attitudes

Study or Subgroup	Parent-child interaction Mean	Parent-child interaction SD	Parent-child interaction Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Thomas 2011	174	119.3	40	170.8	105.9	36	34.6%	0.03 [-0.42, 0.48]
Thomas 2012	137.1	110.7	59	149.1	103.4	91	65.4%	-0.11 [-0.44, 0.22]
Total (95% CI)			**99**			**127**	**100.0%**	**-0.06 [-0.33, 0.20]**

Heterogeneity: Tau² = 0.00; Chi² = 0.24, df = 1 (P = 0.62); I² = 0%
Test for overall effect: Z = 0.47 (P = 0.64)

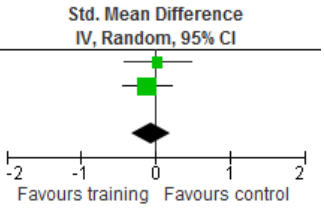


Figure 109. Internalising behaviour

Study or Subgroup	Parent-child interaction Mean	Parent-child interaction SD	Parent-child interaction Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Chaffin 2004	47.4	9.721111	42	47.2	13.60698	35	26.1%	0.02 [-0.43, 0.47]
Thomas 2011	56.5	10.9	57	55.1	12.2	89	47.4%	0.12 [-0.21, 0.45]
Thomas 2012	55.1	12.5	42	54	11.1	36	26.5%	0.09 [-0.35, 0.54]
Total (95% CI)			**141**			**160**	**100.0%**	**0.09 [-0.14, 0.31]**

Heterogeneity: Tau² = 0.00; Chi² = 0.13, df = 2 (P = 0.94); I² = 0%
Test for overall effect: Z = 0.73 (P = 0.47)

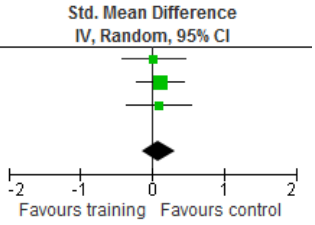


Figure 110. Externalising behaviour

Study or Subgroup	Parent-child interaction Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Chaffin 2004	55.3	14.25763	42	56.4	23.66432	35	26.3%	-0.06 [-0.51, 0.39]
Thomas 2011	63.3	11.3	42	65.4	10.3	36	26.6%	-0.19 [-0.64, 0.25]
Thomas 2012	59	12.6	57	62.9	11.1	89	47.2%	-0.33 [-0.67, 0.00]
Total (95% CI)			**141**			**160**	**100.0%**	**-0.22 [-0.45, 0.01]**

Heterogeneity: Tau² = 0.00; Chi² = 0.95, df = 2 (P = 0.62); I² = 0%
Test for overall effect: Z = 1.89 (P = 0.06)

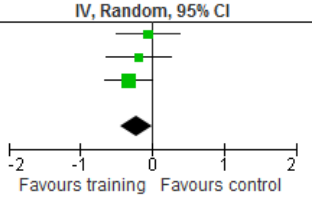


Figure 111. Child abuse potential

Study or Subgroup	Experimental Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Thomas 2011	174	119.3	40	170.8	105.9	36	34.6%	0.03 [-0.42, 0.48]
Thomas 2012	137.1	110.7	59	149.1	103.4	91	65.4%	-0.11 [-0.44, 0.22]
Total (95% CI)			**99**			**127**	**100.0%**	**-0.06 [-0.33, 0.20]**

Heterogeneity: Tau² = 0.00; Chi² = 0.24, df = 1 (P = 0.62); I² = 0%
Test for overall effect: Z = 0.47 (P = 0.64)

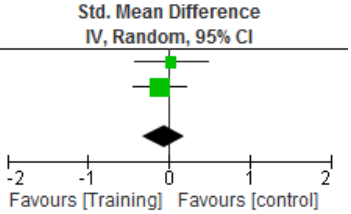
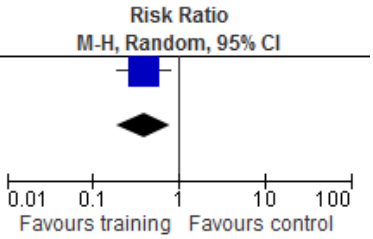


Figure 112. Re-report of physical abuse

Study or Subgroup	Training Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Chaffin 2004	8	42	17	35	100.0%	0.39 [0.19, 0.80]
Total (95% CI)		**42**		**35**	**100.0%**	**0.39 [0.19, 0.80]**
Total events	8		17			

Heterogeneity: Not applicable
Test for overall effect: Z = 2.58 (P = 0.010)



A.3.5 Video feedback versus control

Figure 113. Sensitivity/responsiveness

Study or Subgroup	Videofeedback Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Moss 2011	0.48	0.31	35	0.31	0.39	32	100.0%	0.48 [-0.01, 0.97]
Total (95% CI)			**35**			**32**	**100.0%**	**0.48 [-0.01, 0.97]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.93 (P = 0.05)

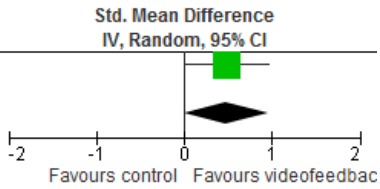


Figure 114. Secure attachment

Study or Subgroup	Videofeedback Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Bernard 2012	31	60	20	60	63.6%	1.55 [1.00, 2.39]
Moss 2011	23	35	9	32	36.4%	2.34 [1.28, 4.27]
Total (95% CI)		**95**		**92**	**100.0%**	**1.80 [1.22, 2.65]**
Total events	54		29			

Heterogeneity: Tau² = 0.01; Chi² = 1.18, df = 1 (P = 0.28); I² = 15%
Test for overall effect: Z = 2.97 (P = 0.003)

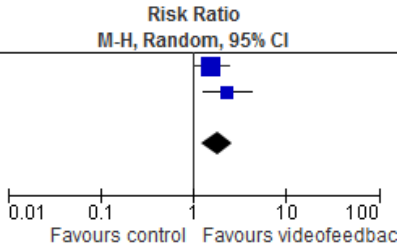


Figure 115. Insecure attachment

Study or Subgroup	Videofeedback Events	Videofeedback Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Bernard 2012	29	60	40	60	92.9%	0.72 [0.53, 1.00]
Moss 2011	5	35	5	32	7.1%	0.91 [0.29, 2.87]
Total (95% CI)		**95**		**92**	**100.0%**	**0.74 [0.54, 1.00]**
Total events	34		45			

Heterogeneity: Tau² = 0.00; Chi² = 0.15, df = 1 (P = 0.69); I² = 0%
Test for overall effect: Z = 1.96 (P = 0.05)

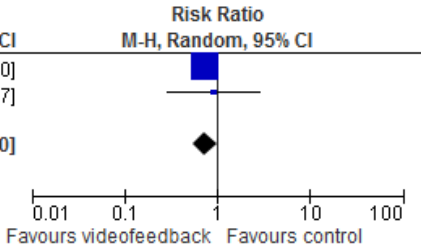


Figure 116. Disorganised attachment

Study or Subgroup	Videofeedback Events	Videofeedback Total	Control Events	Control Total	Weight	Risk Ratio M-H, Random, 95% CI
Bernard 2012	19	60	34	60	71.7%	0.56 [0.36, 0.86]
Moss 2011	7	35	18	32	28.3%	0.36 [0.17, 0.74]
Total (95% CI)		**95**		**92**	**100.0%**	**0.49 [0.33, 0.73]**
Total events	26		52			

Heterogeneity: Tau² = 0.01; Chi² = 1.10, df = 1 (P = 0.29); I² = 9%
Test for overall effect: Z = 3.47 (P = 0.0005)

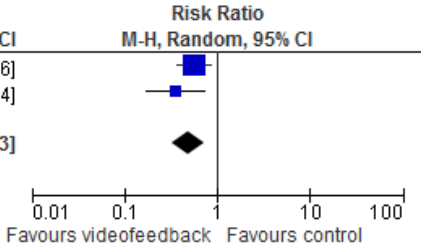


Figure 117. Externalising behaviour

Study or Subgroup	Videofeedback Mean	Videofeedback SD	Videofeedback Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Moss 2011	57.85	9.84	35	57.54	12.61	32	100.0%	0.03 [-0.45, 0.51]
Total (95% CI)			**35**			**32**	**100.0%**	**0.03 [-0.45, 0.51]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.11 (P = 0.91)

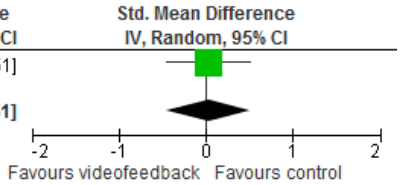
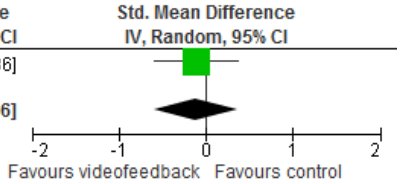


Figure 118. Internalising behaviour

Study or Subgroup	Videofeedback Mean	Videofeedback SD	Videofeedback Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Moss 2011	54.43	7.44	35	55.56	11.45	32	100.0%	-0.12 [-0.60, 0.36]
Total (95% CI)			**35**			**32**	**100.0%**	**-0.12 [-0.60, 0.36]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.48 (P = 0.63)



Trauma focused CBT versus parent child psychotherapy

Figure 119. Sensitivity/responsiveness

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cohen 2004/Deblinger 2006	90.28	6.5	88	87.95	8.09	91	100.0%	0.32 [0.02, 0.61]
Total (95% CI)			**88**			**91**	**100.0%**	**0.32 [0.02, 0.61]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.10 (P = 0.04)

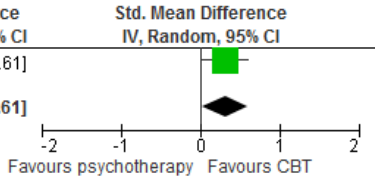


Figure 120. Internalising behaviour

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cohen 2004/Deblinger 2006	8.02	7.21	88	11.41	8.87	91	100.0%	-0.42 [-0.71, -0.12]
Total (95% CI)			**88**			**91**	**100.0%**	**-0.42 [-0.71, -0.12]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.76 (P = 0.006)

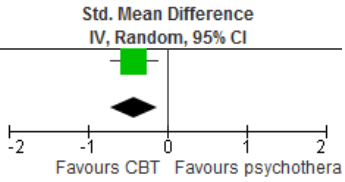
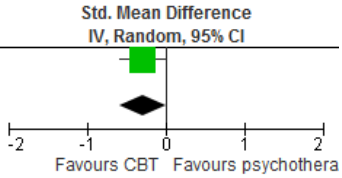


Figure 121. Externalising behaviour

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cohen 2004/Deblinger 2006	11.1	8.52	88	13.82	10.22	91	100.0%	-0.29 [-0.58, 0.01]
Total (95% CI)			**88**			**91**	**100.0%**	**-0.29 [-0.58, 0.01]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.91 (P = 0.06)



A.4 Psychosocial Interventions for children who are in care

A.4.1 Video feedback versus control

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
2.1.1 Pre-school								
Spieker 2012	0.58	0.3	86	0.54	0.29	89	79.3%	0.14 [-0.16, 0.43]
Subtotal (95% CI)			**86**			**89**	**79.3%**	**0.14 [-0.16, 0.43]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.89 (P = 0.37)								
2.1.2 Primary school								
Dozier 2009	1.3	0.3	22	1.18	0.54	24	20.7%	0.27 [-0.31, 0.85]
Subtotal (95% CI)			**22**			**24**	**20.7%**	**0.27 [-0.31, 0.85]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.90 (P = 0.37)								
Total (95% CI)			**108**			**113**	**100.0%**	**0.16 [-0.10, 0.43]**

Heterogeneity: Chi² = 0.16, df = 1 (P = 0.69); I² = 0%
Test for overall effect: Z = 1.20 (P = 0.23)
Test for subgroup differences: Chi² = 0.16, df = 1 (P = 0.69), I² = 0%

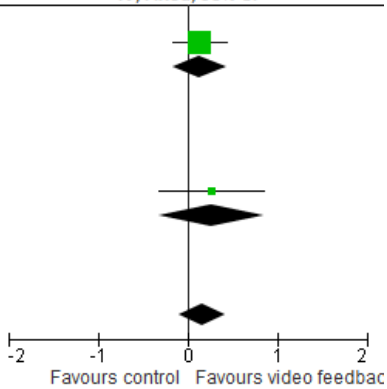


Figure 122: Effect of video feedback on secure attachment in pre and primary school-aged children who are in care.

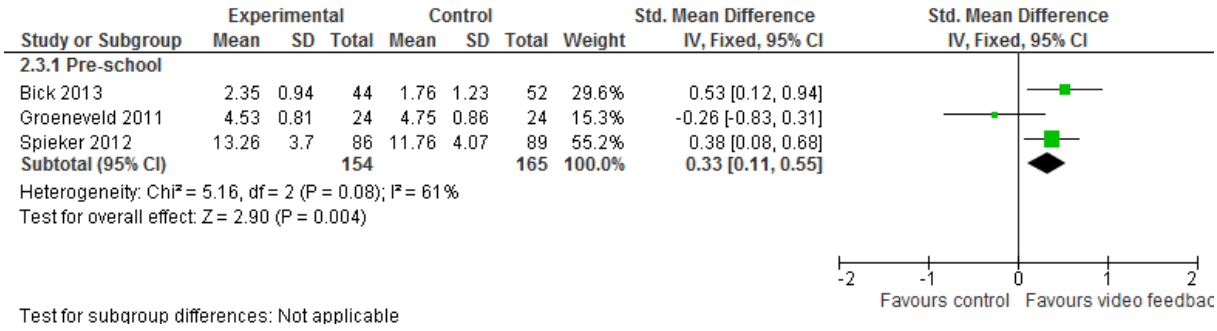


Figure 123: Effect of video feedback on maternal sensitivity in preschool-aged children who are in care.

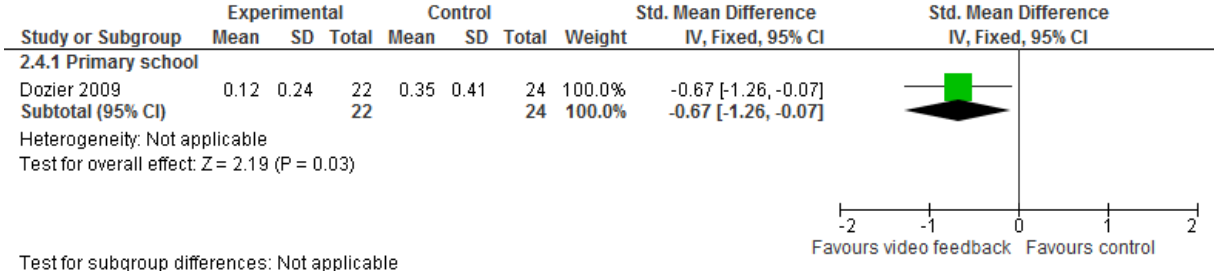


Figure 124: Effect of video feedback on attachment difficulties in primary school-aged children who are in care.

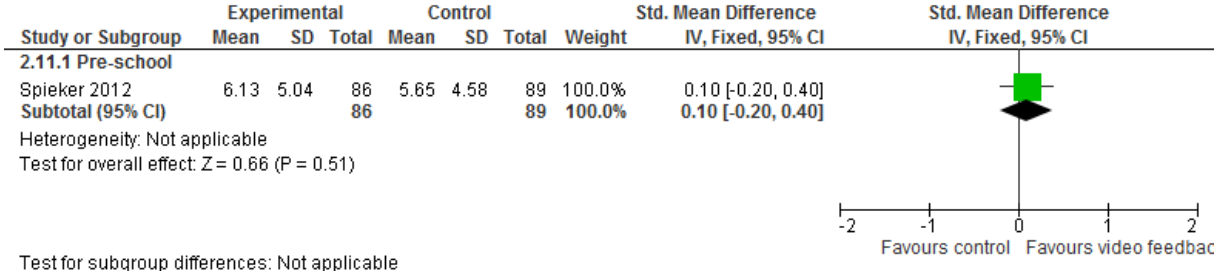


Figure 125: Effect of video feedback on parenting stress and mental wellbeing for carers of primary school-aged children

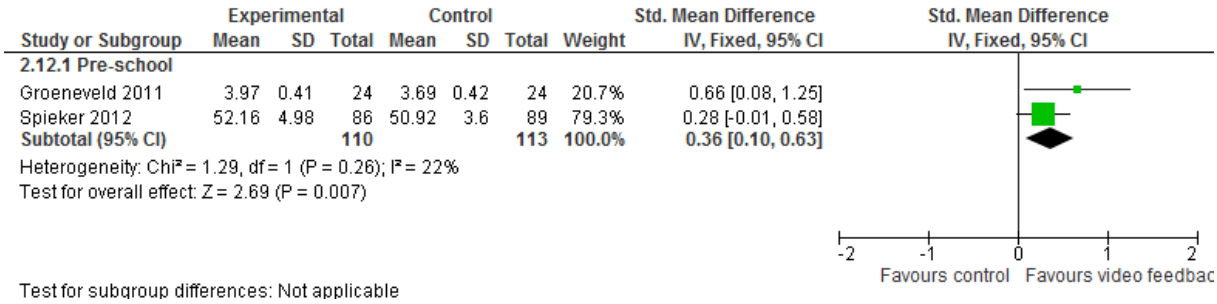


Figure 126: Effect of video feedback on parenting attitude/knowledge/behaviour for carers of preschool-aged children.

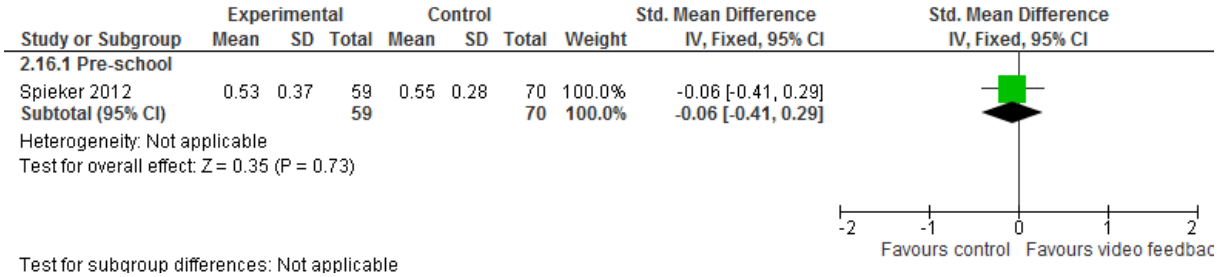


Figure 127: Effect of video feedback on secure attachment 6 months post-intervention for carers of preschool-aged children.

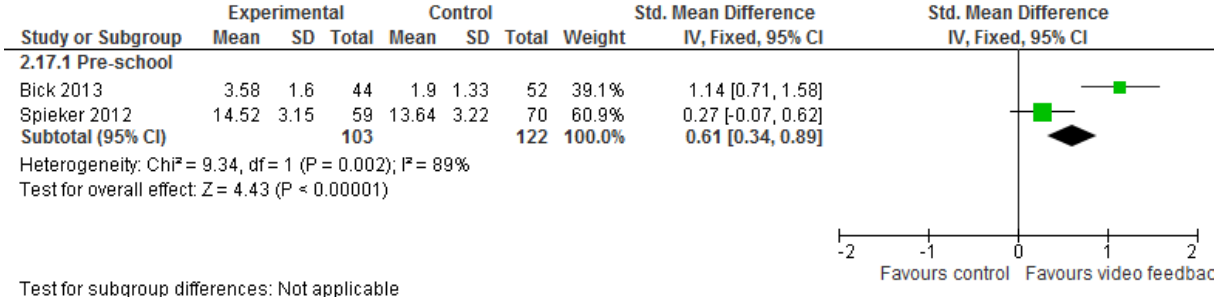


Figure 128: Effect of video feedback on maternal sensitivity 6-12 months post-intervention for carers of preschool-aged children.

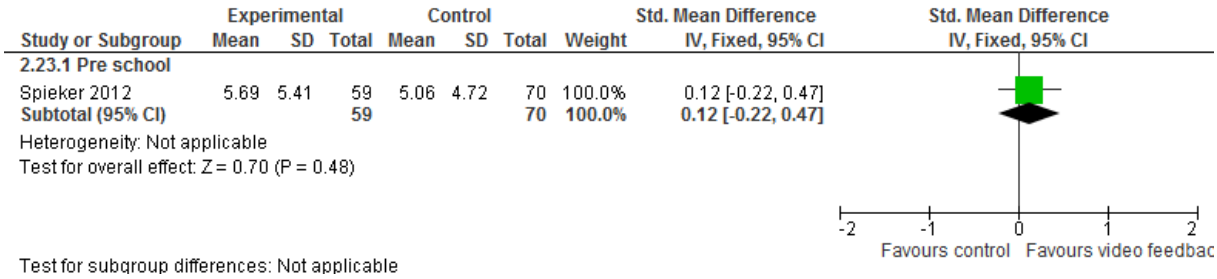


Figure 129: Effect of video feedback on parenting attitude/knowledge/behaviour 6 months post-intervention for carers of preschool-aged children

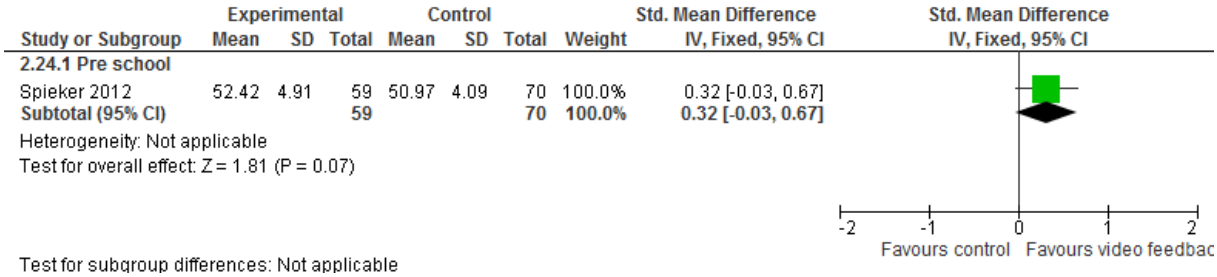


Figure 130: Effect of video feedback on parenting stress and wellbeing 6 months post-intervention for carers of preschool-aged children

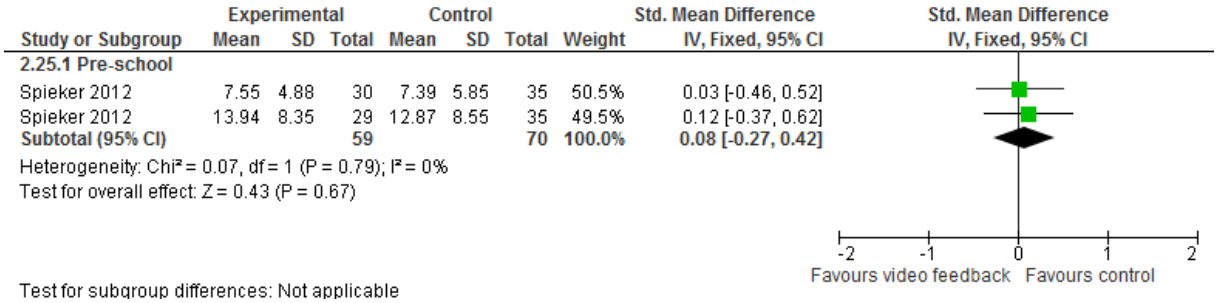
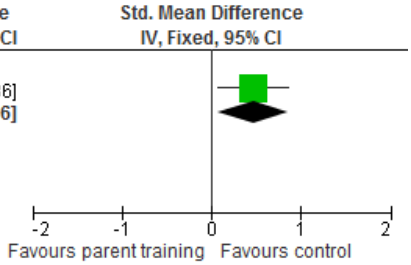


Figure 131: Effect of video feedback on externalising/internalising behaviour 6 months post-intervention on preschool-aged children

A.4.2 Parental training, education and support versus usual care

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
1.3.1 Primary school								
Minnis 2001	21	8	50	17	9	50	100.0%	0.47 [0.07, 0.86]
Subtotal (95% CI)			**50**			**50**	**100.0%**	**0.47 [0.07, 0.86]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.30 (P = 0.02)

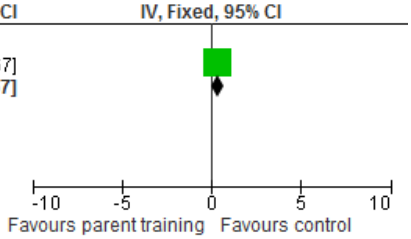


Test for subgroup differences: Not applicable

Figure 132: Effect of parental training, education and support intervention on reactive attachment disorder of primary school-aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
1.17.1 Primary school								
Minnis 2001	21	8	62	18	9	88	100.0%	0.35 [0.02, 0.67]
Subtotal (95% CI)			**62**			**88**	**100.0%**	**0.35 [0.02, 0.67]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.08 (P = 0.04)

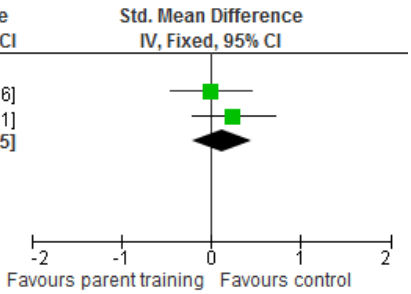


Test for subgroup differences: Not applicable

Figure 133: Long-term effect of parental training, education and support intervention (9 months post) on reactive attachment disorder of primary school-aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
1.18.2 Primary school								
Minnis 2001	31	5	31	31	6	44	50.2%	0.00 [-0.46, 0.46]
Minnis 2001	18	8	31	16	8	44	49.8%	0.25 [-0.21, 0.71]
Subtotal (95% CI)			**62**			**88**	**100.0%**	**0.12 [-0.20, 0.45]**

Heterogeneity: Chi² = 0.55, df = 1 (P = 0.46); I² = 0%
Test for overall effect: Z = 0.74 (P = 0.46)

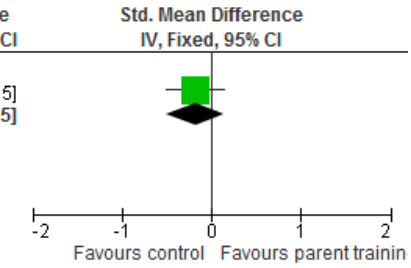


Test for subgroup differences: Not applicable

Figure 134: Long-term effects of parental training, education and support intervention (9 months post) on internalising/externalising behaviour of primary school-aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
1.24.1 Primary school								
Minnis 2001	31	5	62	32	6	88	100.0%	-0.18 [-0.50, 0.15]
Subtotal (95% CI)			**62**			**88**	**100.0%**	**-0.18 [-0.50, 0.15]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.07 (P = 0.29)

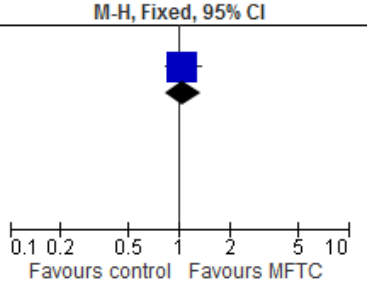


Test for subgroup differences: Not applicable

Figure 135: Long-term effects of parental training, education and support intervention (9 months post) on mental wellbeing of primary school-aged children who are in care.

A.4.3 Multidimensional Treatment Foster Care Program versus usual care

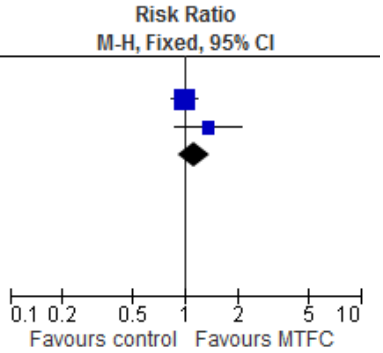
Study or Subgroup	Psychoeducation Events	Psychoeducation Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
3.1.1 Pre-school						
Fisher 2007	40	57	40	60	100.0%	1.05 [0.82, 1.35]
Subtotal (95% CI)		**57**		**60**	**100.0%**	**1.05 [0.82, 1.35]**
Total events	40		40			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.41 (P = 0.68)						



Test for subgroup differences: Not applicable

Figure 136: Effect of MTFC programme on secure attachment of preschool-aged children who are in care.

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
3.5.1 Pre-school						
Fisher 2007	26	29	27	30	64.7%	1.00 [0.84, 1.18]
Fisher 2007	19	28	15	30	35.3%	1.36 [0.87, 2.11]
Subtotal (95% CI)		**57**		**60**	**100.0%**	**1.12 [0.92, 1.37]**
Total events	45		42			
Heterogeneity: Chi² = 2.60, df = 1 (P = 0.11); I² = 61%						
Test for overall effect: Z = 1.14 (P = 0.25)						



Test for subgroup differences: Not applicable

Figure 137: Effect of MTFC programme on attachment difficulties of preschool-aged children who are in care

A.4.4 Parent sensitivity training versus control

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
4.1.1 pre-school to secondary school								
Briskman 2014	53.66	7.62	34	50.12	9.56	29	100.0%	0.41 [-0.09, 0.91]
Subtotal (95% CI)			**34**			**29**	**100.0%**	**0.41 [-0.09, 0.91]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.60 (P = 0.11)								
Total (95% CI)			**34**			**29**	**100.0%**	**0.41 [-0.09, 0.91]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.60 (P = 0.11)								
Test for subgroup differences: Not applicable								

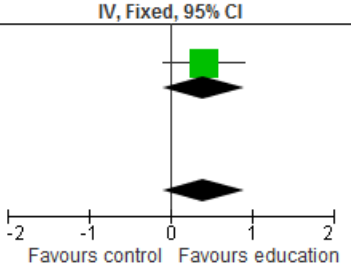
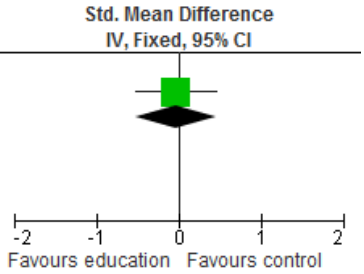


Figure 138: Effect of parental sensitivity training on attachment difficulties of pre- up to secondary school aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
4.2.1 pre-school to secondary school								
Briskman 2014	17.1	6.4	34	17.3	6.9	29	100.0%	-0.03 [-0.53, 0.47]
Subtotal (95% CI)			**34**			**29**	**100.0%**	**-0.03 [-0.53, 0.47]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.12 (P = 0.91)

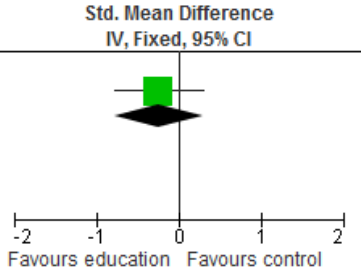


Test for subgroup differences: Not applicable

Figure 139: Effect of parental sensitivity training on internalising/externalising behaviour of pre- up to secondary school aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
4.3.1 ppre-school to secondary school								
Briskman 2014	41	3.8	32	41.9	3.5	23	100.0%	-0.24 [-0.78, 0.30]
Subtotal (95% CI)			**32**			**23**	**100.0%**	**-0.24 [-0.78, 0.30]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.88 (P = 0.38)

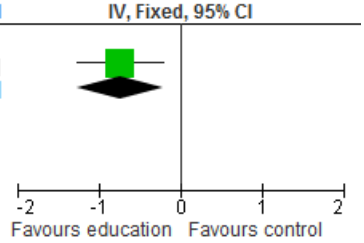


Test for subgroup differences: Not applicable

Figure 140: Effect of parental sensitivity training on parental attitude/knowledge/ behaviour of pre- up to secondary school aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
4.4.1 pre-school to secondary school								
Briskman 2014	41.2	23.2	34	59.4	25.7	27	100.0%	-0.74 [-1.26, -0.22]
Subtotal (95% CI)			**34**			**27**	**100.0%**	**-0.74 [-1.26, -0.22]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.77 (P = 0.006)

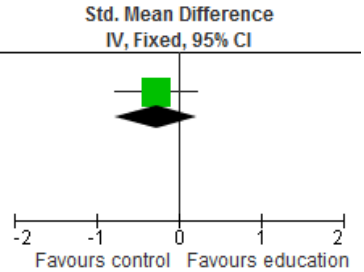


Test for subgroup differences: Not applicable

Figure 141: Effect of parental sensitivity training on child behavioural problems of pre- up to secondary school aged children who are in care.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
4.5.1 pre-school to secondary school								
Briskman 2014	9.79	1.8	34	10.28	1.8	29	100.0%	-0.27 [-0.77, 0.23]
Subtotal (95% CI)			**34**			**29**	**100.0%**	**-0.27 [-0.77, 0.23]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.06 (P = 0.29)

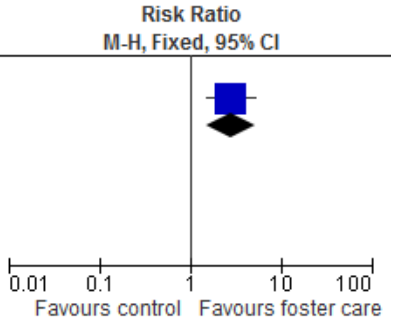


Test for subgroup differences: Not applicable

Figure 142: Effect of parental sensitivity training on quality of life of pre- up to secondary school aged children who are in care.

A.4.5 Foster care versus. Institutionalised

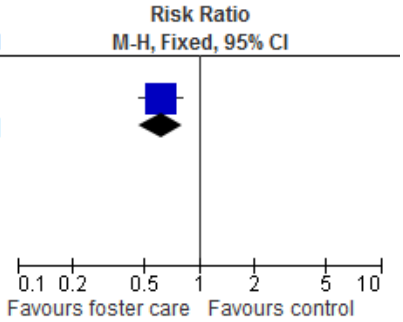
Study or Subgroup	Foster care Events	Foster care Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
5.1.1 Pre-school						
Smyke 2010	30	61	10	57	100.0%	2.80 [1.51, 5.20]
Subtotal (95% CI)		**61**		**57**	**100.0%**	**2.80 [1.51, 5.20]**
Total events	30		10			
Heterogeneity: Not applicable						
Test for overall effect: Z = 3.27 (P = 0.001)						



Test for subgroup differences: Not applicable

Figure 143: Long-term effects (11 to 36 months) of entering foster care (with training and support) versus staying institutionalised on secure attachment of preschool-aged children who are in care.

Study or Subgroup	Foster care Events	Foster care Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
5.2.1 Pre-school						
Smyke 2010	31	61	47	57	100.0%	0.62 [0.47, 0.81]
Subtotal (95% CI)		**61**		**57**	**100.0%**	**0.62 [0.47, 0.81]**
Total events	31		47			
Heterogeneity: Not applicable						
Test for overall effect: Z = 3.46 (P = 0.0005)						



Test for subgroup differences: Not applicable

Figure 144: Long-term effects (11 to 36 months) of entering foster care (with training and support) versus staying institutionalised on attachment difficulties of preschool-aged children who are in care

Study or Subgroup	Foster care Mean	Foster care SD	Foster care Total	Institutionalised Mean	Institutionalised SD	Institutionalised Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
5.3.2 Pre-school								
Smyke 2012	0.79	1.3	68	2.04	2.11	68	49.3%	-0.71 [-1.06, -0.36]
Subtotal (95% CI)			**68**			**68**	**49.3%**	**-0.71 [-1.06, -0.36]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 4.01 (P < 0.0001)								
5.3.3 Primary school								
Smyke 2012	0.53	1.28	68	1.45	2.04	68	50.7%	-0.54 [-0.88, -0.19]
Subtotal (95% CI)			**68**			**68**	**50.7%**	**-0.54 [-0.88, -0.19]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 3.08 (P = 0.002)								
Total (95% CI)			**136**			**136**	**100.0%**	**-0.62 [-0.87, -0.38]**
Heterogeneity: Chi² = 0.48, df = 1 (P = 0.49); I² = 0%								
Test for overall effect: Z = 5.00 (P < 0.00001)								
Test for subgroup differences: Chi² = 0.48, df = 1 (P = 0.49), I² = 0%								

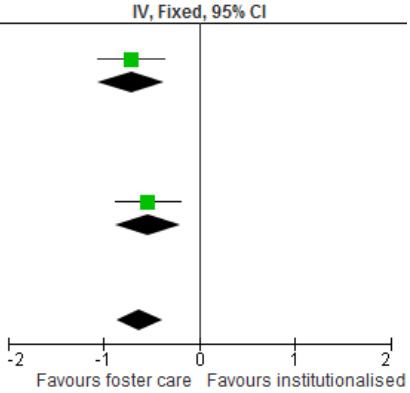


Figure 145: Long-term effects (11 to 36 months up to 5.5 to 7.5 years) of entering foster care (with training and support) versus staying institutionalised on reactive attachment disorder of pre and primary school-aged children who are in care.

Study or Subgroup	Foster care Mean	Foster care SD	Foster care Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
5.4.1 Primary school								
Alamas 2012	56.5	18	50	25	2.5	44	100.0%	2.36 [1.83, 2.89]
Subtotal (95% CI)			**50**			**44**	**100.0%**	**2.36 [1.83, 2.89]**

Heterogeneity: Not applicable
Test for overall effect: Z = 8.69 (P < 0.00001)

Test for subgroup differences: Not applicable

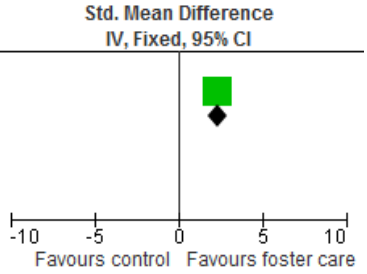


Figure 146: Long-term effects (5.5 to 7.5 years) of entering foster care (with training and support) versus staying institutionalised on social skills of primary school-aged children who are in care.

A.4.6 **Studies that provided placement disruption as an outcome but did not measure attachment.**

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio (Non-event) M-H, Fixed, 95% CI
1.1.1 Primary school						
Fisher 2005	3	47	9	43	30.5%	1.18 [1.00, 1.40]
MacDonald 2005	2	55	5	45	37.8%	1.08 [0.97, 1.22]
Subtotal (95% CI)		**102**		**88**	**68.4%**	**1.13 [1.02, 1.25]**
Total events	5		14			
Heterogeneity: Chi² = 0.77, df = 1 (P = 0.38); I² = 0%						
Test for overall effect: Z = 2.37 (P = 0.02)						
1.1.2 Primary - Secondary school						
Gavita 2012	2	44	2	35	31.6%	1.01 [0.91, 1.12]
Subtotal (95% CI)		**44**		**35**	**31.6%**	**1.01 [0.91, 1.12]**
Total events	2		2			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.23 (P = 0.82)						
Total (95% CI)		**146**		**123**	**100.0%**	**1.09 [1.01, 1.18]**
Total events	7		16			
Heterogeneity: Chi² = 2.91, df = 2 (P = 0.23); I² = 31%						
Test for overall effect: Z = 2.25 (P = 0.02)						
Test for subgroup differences: Chi² = 2.18, df = 1 (P = 0.14), I² = 54.1%						

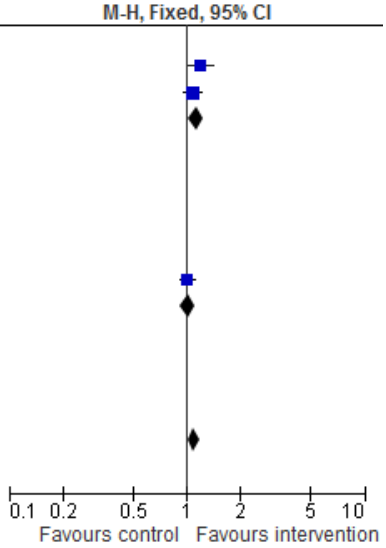


Figure 147: Effects of Parental Education, Training and Support on placement disruption of primary to secondary school-aged children in care.

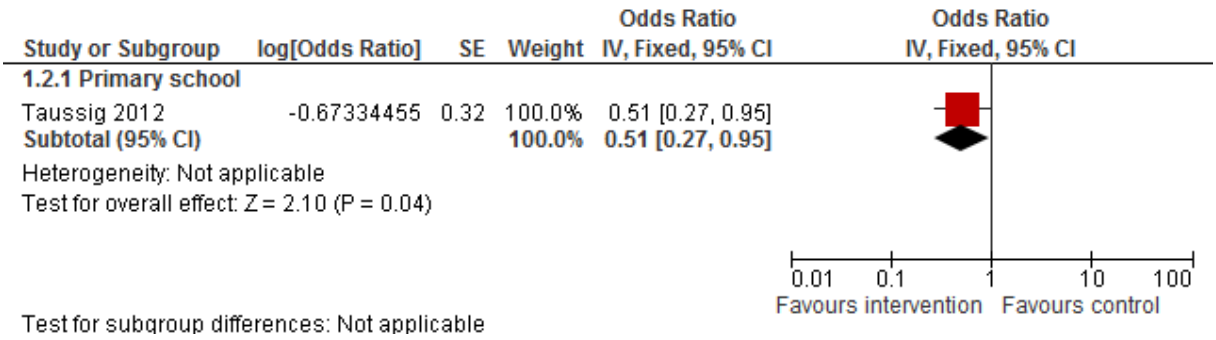


Figure 148: Effects of Parental Education, Training and Support on placement disruption of primary school-aged children in care.

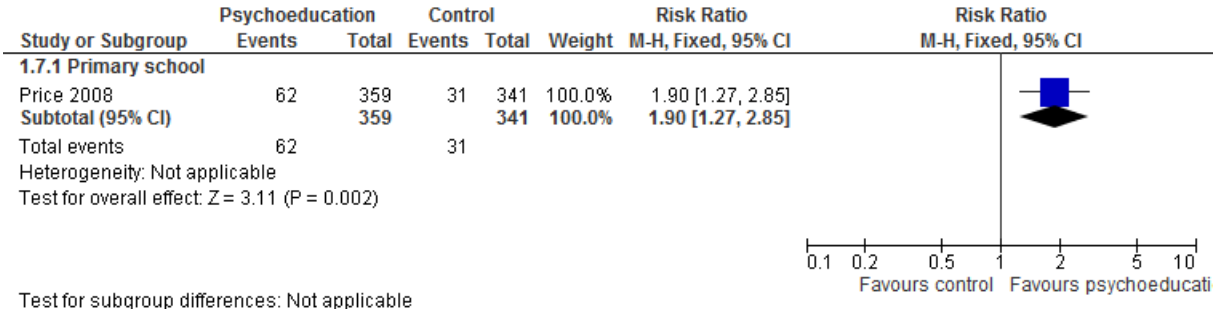


Figure 149: Effects of Parental Education, Training and Support on positive exists from care of primary school-aged children in care.

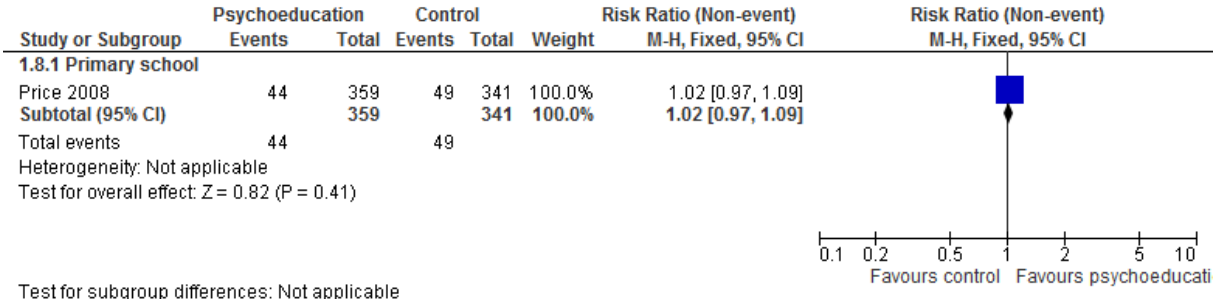


Figure 150: Effects of Parental Education, Training and Support on negative exists from care of primary school-aged children in care.

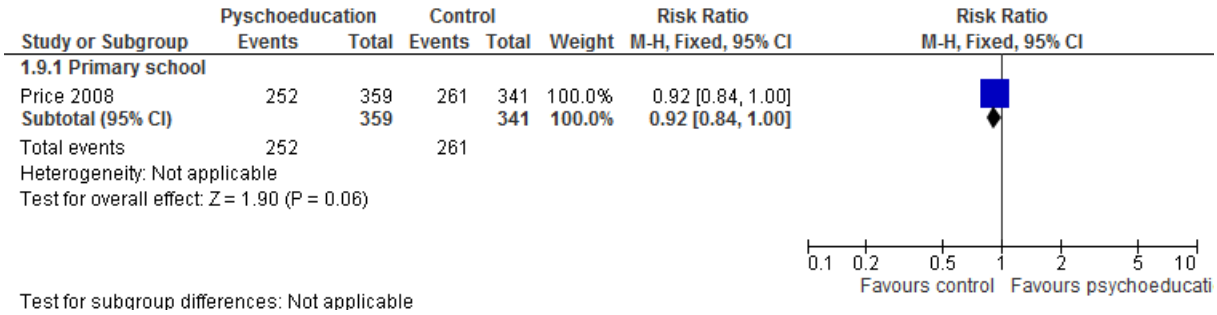


Figure 151: Effects of Parental Education, Training and Support on placement stability of primary school-aged children in care

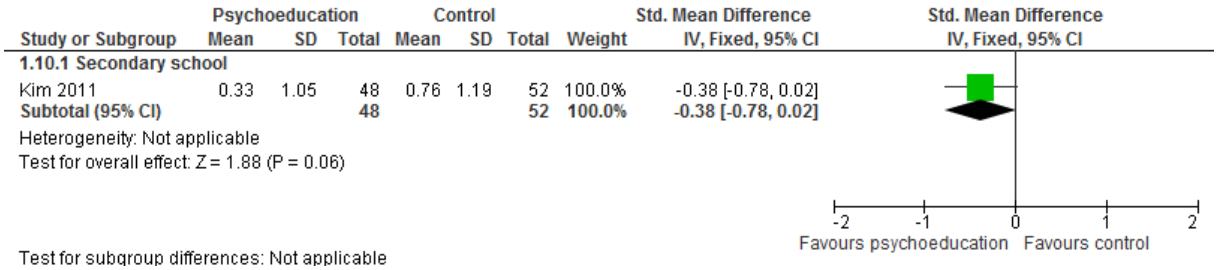


Figure 152: Effects of Parental Education, Training and Support on placement disruption of secondary school-aged children in care

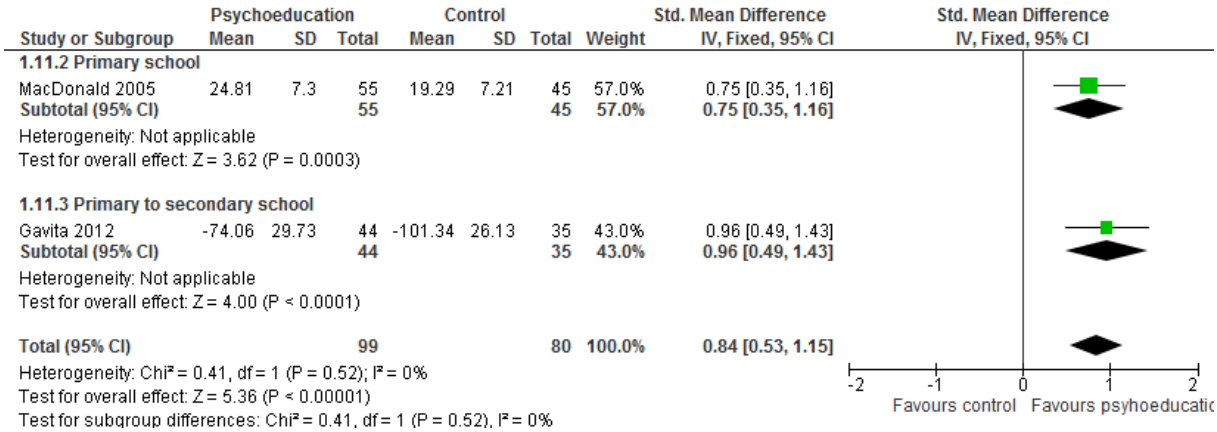


Figure 153: Effects of Parental Education, Training and Support on the carer's quality of parenting of primary to secondary school-aged children.

Study or Subgroup	Intervention Mean	Intervention SD	Intervention Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
1.13.1 Secondary school								
Kim 2011	1.42	0.93	48	2.16	1.93	52	100.0%	-0.48 [-0.88, -0.08]
Subtotal (95% CI)			**48**			**52**	**100.0%**	**-0.48 [-0.88, -0.08]**

Heterogeneity: Not applicable
Test for overall effect: Z = 2.36 (P = 0.02)

Test for subgroup differences: Not applicable

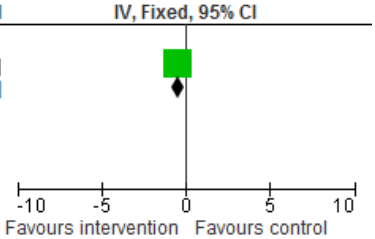


Figure 154: Effects of Parental Education, Training and Support on delinquency of secondary school-aged children.

Study or Subgroup	Intervention Mean	Intervention SD	Intervention Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
1.14.1 Primary school								
MacDonald 2005	58.58	12.67	26	58.8	13.64	20	100.0%	-0.02 [-0.60, 0.57]
Subtotal (95% CI)			**26**			**20**	**100.0%**	**-0.02 [-0.60, 0.57]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.06 (P = 0.96)								
1.14.2 Primary to secondary school								
Gavita 2012	58.75	17.64	44	70.88	18.08	35	100.0%	-0.67 [-1.13, -0.22]
Subtotal (95% CI)			**44**			**35**	**100.0%**	**-0.67 [-1.13, -0.22]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.89 (P = 0.004)								
1.14.3 Secondary school								
Kim 2011	12.77	8.53	48	12.5	8.29	52	100.0%	0.03 [-0.36, 0.42]
Subtotal (95% CI)			**48**			**52**	**100.0%**	**0.03 [-0.36, 0.42]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.16 (P = 0.87)								

Test for subgroup differences: Chi² = 5.84, df = 2 (P = 0.05), I² = 65.7%

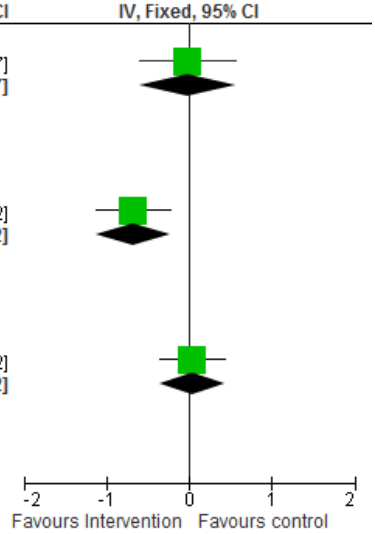


Figure 155: Effects of Parental Education, Training and Support on internalising/externalising behaviour of primary school-aged children.

Study or Subgroup	Intervention Events	Intervention Total	Control Events	Control Total	Weight	Risk Ratio (Non-event) M-H, Fixed, 95% CI
1.19.2 Primary school						
MacDonald 2005	4	49	4	40	59.0%	1.02 [0.89, 1.17]
Taussig 2012	20	56	27	54	41.0%	1.29 [0.92, 1.79]
Subtotal (95% CI)		**105**		**94**	**100.0%**	**1.13 [0.96, 1.33]**
Total events	24		31			
Heterogeneity: Chi² = 2.82, df = 1 (P = 0.09); I² = 65%						
Test for overall effect: Z = 1.46 (P = 0.14)						
Total (95% CI)		**105**		**94**	**100.0%**	**1.13 [0.96, 1.33]**
Total events	24		31			
Heterogeneity: Chi² = 2.82, df = 1 (P = 0.09); I² = 65%						
Test for overall effect: Z = 1.46 (P = 0.14)						

Test for subgroup differences: Not applicable

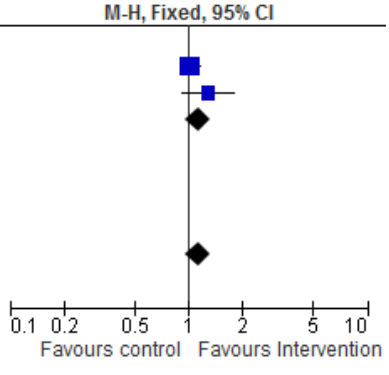


Figure 156: Effects of Parental Education, Training and Support on placement disruptions after the intervention in primary school-aged children

A.5 Psychosocial Interventions for children who have been adopted

A.5.1 Video feedback versus control

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
6.1.1 Pre-school						
Juffer 1997	27	30	21	30	100.0%	1.29 [0.99, 1.67]
Subtotal (95% CI)		**30**		**30**	**100.0%**	**1.29 [0.99, 1.67]**
Total events	27		21			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.87 (P = 0.06)						
Total (95% CI)		**30**		**30**	**100.0%**	**1.29 [0.99, 1.67]**
Total events	27		21			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.87 (P = 0.06)						
Test for subgroup differences: Not applicable						

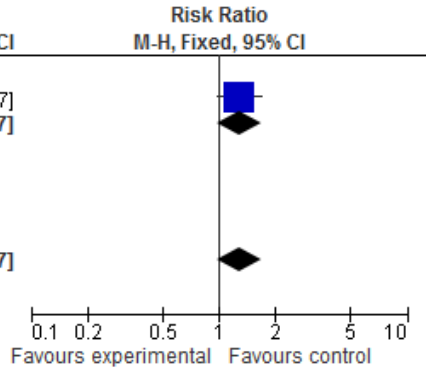


Figure 157: Effects of video feedback on secure attachment.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
6.2.1 Pre-school								
Juffer 1997	5.8	1.5	30	5.2	1.5	30	100.0%	0.39 [-0.12, 0.91]
Subtotal (95% CI)			**30**			**30**	**100.0%**	**0.39 [-0.12, 0.91]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.51 (P = 0.13)								
Test for subgroup differences: Not applicable								

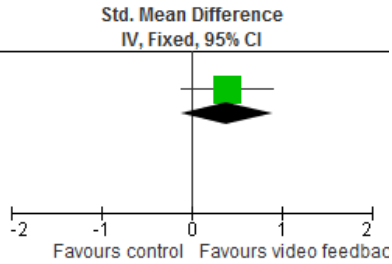


Figure 158: Effects of video feedback on maternal sensitivity.

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
6.3.1 Pre-school						
Juffer 1997	27	30	21	30	100.0%	1.29 [0.99, 1.67]
Subtotal (95% CI)		**30**		**30**	**100.0%**	**1.29 [0.99, 1.67]**
Total events	27		21			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.87 (P = 0.06)						
Test for subgroup differences: Not applicable						

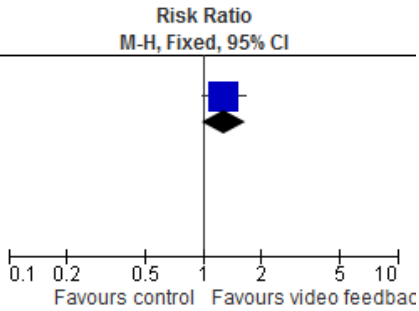
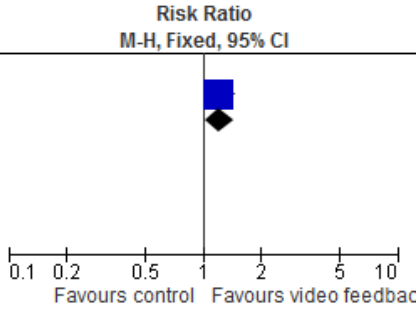


Figure 159: Effects of video feedback on likelihood of having attachment difficulties.

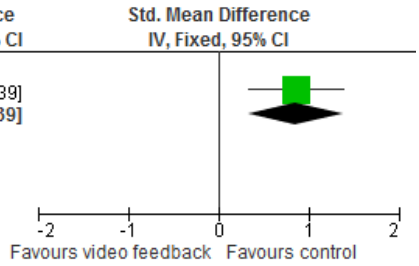
Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
6.4.1 Pre-school						
Juffer 2005	46	49	38	49	100.0%	1.21 [1.02, 1.43]
Subtotal (95% CI)		**49**		**49**	**100.0%**	**1.21 [1.02, 1.43]**
Total events	46		38			
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.25 (P = 0.02)						



Test for subgroup differences: Not applicable

Figure 160: Effects of video feedback on likelihood of having disorganised attachment.

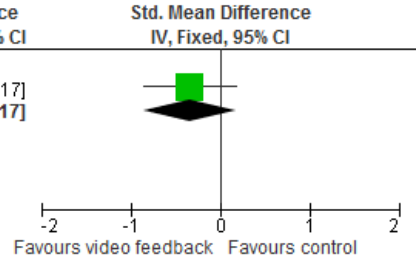
Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
6.5.1 Pre-school								
Juffer 1997	5.9	1.7	30	4.5	1.5	30	100.0%	0.86 [0.33, 1.39]
Subtotal (95% CI)			**30**			**30**	**100.0%**	**0.86 [0.33, 1.39]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 3.18 (P = 0.001)								



Test for subgroup differences: Not applicable

Figure 161: Effects of video feedback on parental behaviour

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
6.6.1 Pre-school								
Juffer 1997	14.5	0.63	30	14.7	0.54	30	100.0%	-0.34 [-0.85, 0.17]
Subtotal (95% CI)			**30**			**30**	**100.0%**	**-0.34 [-0.85, 0.17]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.29 (P = 0.20)								



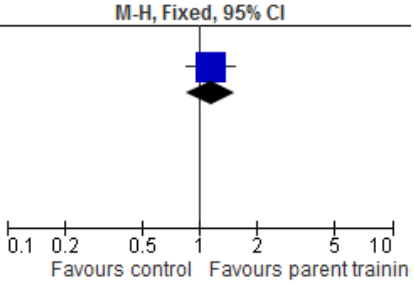
Test for subgroup differences: Not applicable

Figure 162: Effects of video feedback on child behaviour

A.5.2 Parental Sensitivity and Behaviour Training versus control

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
7.1.1 Pre-school						
Juffer 1997	24	30	21	30	100.0%	1.14 [0.85, 1.53]
Subtotal (95% CI)		**30**		**30**	**100.0%**	**1.14 [0.85, 1.53]**
Total events	24		21			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.89 (P = 0.37)

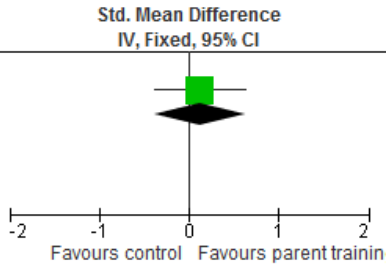


Test for subgroup differences: Not applicable

Figure 163: Effects of parental sensitivity and behaviour training on secure attachment.

Study or Subgroup	Intervention Mean	Intervention SD	Intervention Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
7.3.1 Pre-school								
Juffer 1997	5.4	1.8	30	5.2	1.5	30	100.0%	0.12 [-0.39, 0.63]
Subtotal (95% CI)			**30**			**30**	**100.0%**	**0.12 [-0.39, 0.63]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.46 (P = 0.64)

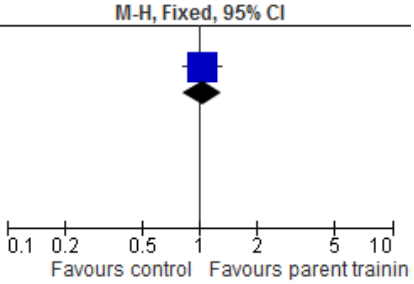


Test for subgroup differences: Not applicable

Figure 164: Effects of parental sensitivity and behaviour training on maternal sensitivity

Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
7.4.1 Pre-school						
Juffer 2005	24	30	38	49	100.0%	1.03 [0.82, 1.30]
Subtotal (95% CI)		**30**		**49**	**100.0%**	**1.03 [0.82, 1.30]**
Total events	24		38			

Heterogeneity: Not applicable
Test for overall effect: Z = 0.26 (P = 0.79)



Test for subgroup differences: Not applicable

Figure 165: Effects of parental sensitivity and behaviour training on likelihood of having disorganised attachment.

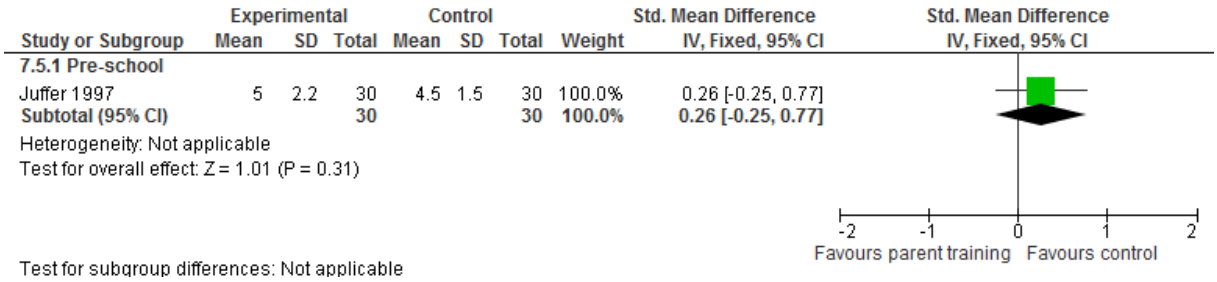


Figure 166: Effects of parental sensitivity and behaviour training on internalising/externalising behaviour.

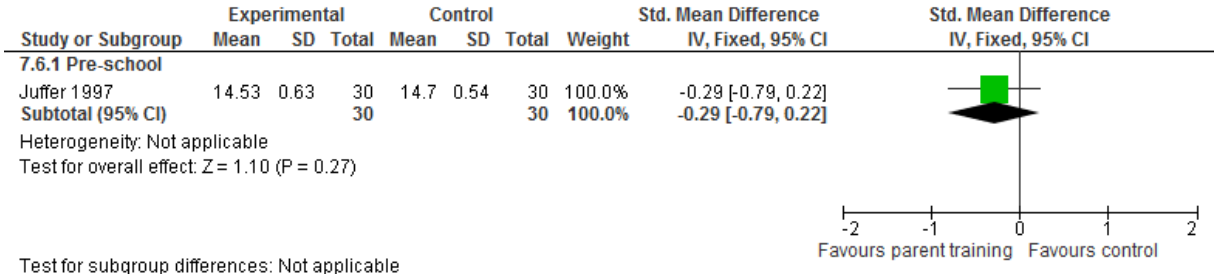


Figure 167: Effects of parental sensitivity and behaviour training on parental behaviour.

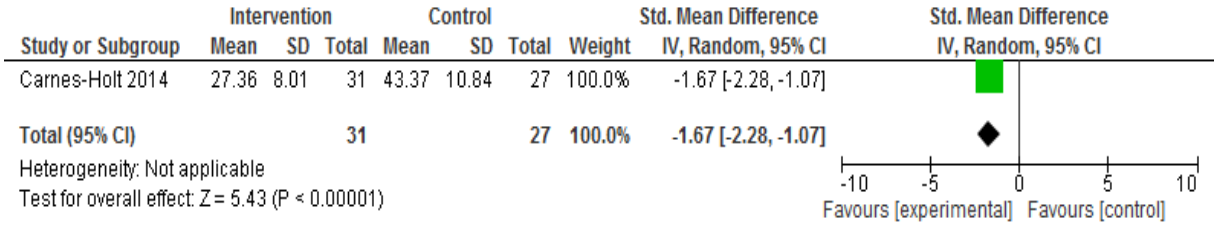


Figure 168: Effects of parental sensitivity and behaviour training on maternal empathy (lower is better).

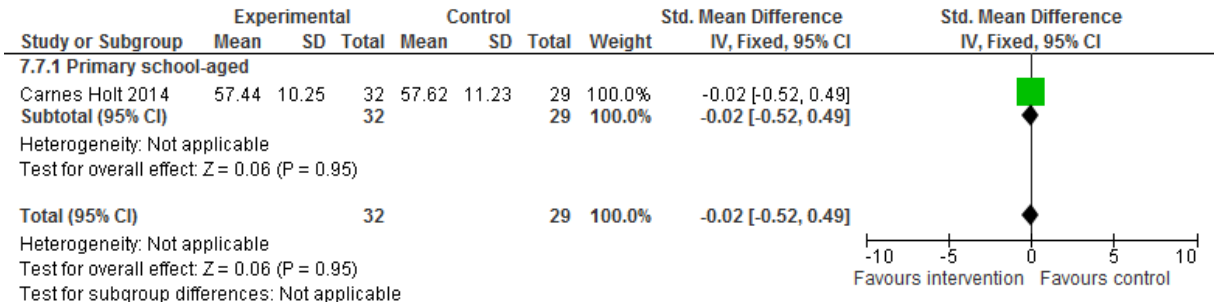
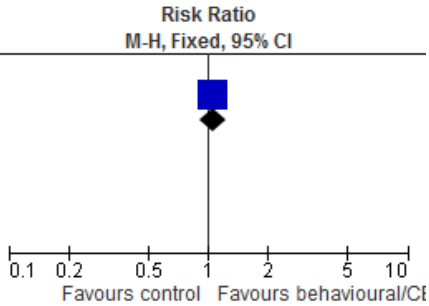


Figure 169: Effects of Parental Sensitivity and Behaviour Training on child behaviour CBCL total problems (lower is better).

A.5.3 Parental education, training and support versus control

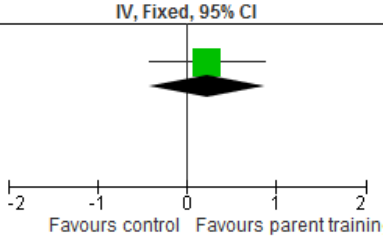
Study or Subgroup	Experimental Events	Experimental Total	Control Events	Control Total	Weight	Risk Ratio M-H, Fixed, 95% CI
8.2.1 Primary school						
Rushton 2010	19	19	17	18	100.0%	1.06 [0.91, 1.23]
Subtotal (95% CI)		**19**		**18**	**100.0%**	**1.06 [0.91, 1.23]**
Total events	19		17			
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.75 (P = 0.45)						



Test for subgroup differences: Not applicable

Figure 170: Effects of parental education, training and support on likelihood of improving attachment by >50%

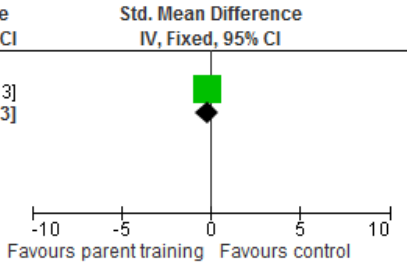
Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
8.6.1 Primary school								
Rushton 2010	34.7	6.5	19	33.14	7.2	18	100.0%	0.22 [-0.42, 0.87]
Subtotal (95% CI)			**19**			**18**	**100.0%**	**0.22 [-0.42, 0.87]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.68 (P = 0.50)								



Test for subgroup differences: Not applicable

Figure 171: Effects of parental education, training and support on internalising/externalising behaviour

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
8.8.1 Primary school								
Rushton 2010	10.26	3.8	19	11.5	7.2	18	100.0%	-0.21 [-0.86, 0.43]
Subtotal (95% CI)			**19**			**18**	**100.0%**	**-0.21 [-0.86, 0.43]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.64 (P = 0.52)								

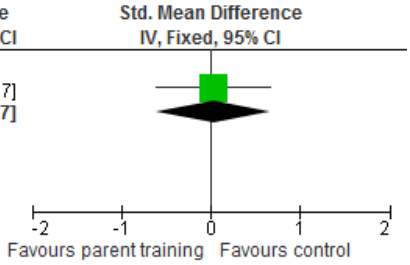


Test for subgroup differences: Not applicable

Figure 172: Effects of parental education, training and support on placement problems.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
8.9.2 Primary school								
Rushton 2010	18.74	6	19	18.56	6.7	18	100.0%	0.03 [-0.62, 0.67]
Subtotal (95% CI)			**19**			**18**	**100.0%**	**0.03 [-0.62, 0.67]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.08 (P = 0.93)

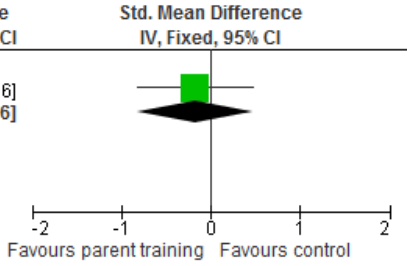


Test for subgroup differences: Not applicable

Figure 173: Effects of parental education, training and support on quality of parenting.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
8.10.1 Primary school								
Rushton 2010	17.37	5.8	19	18.41	5.4	18	100.0%	-0.18 [-0.83, 0.46]
Subtotal (95% CI)			**19**			**18**	**100.0%**	**-0.18 [-0.83, 0.46]**

Heterogeneity: Not applicable
Test for overall effect: Z = 0.55 (P = 0.58)

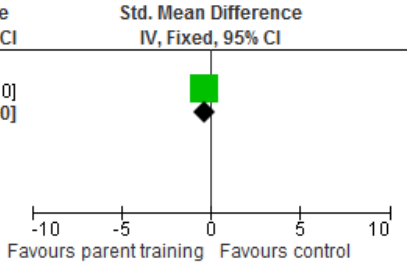


Test for subgroup differences: Not applicable

Figure 174: Effects of parental education, training and support on externalising/internalising behaviour at 6 months follow-up

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
8.11.1 Primary school								
Rushton 2010	9.74	4.3	19	11.7	6.6	18	100.0%	-0.35 [-1.00, 0.30]
Subtotal (95% CI)			**19**			**18**	**100.0%**	**-0.35 [-1.00, 0.30]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.04 (P = 0.30)

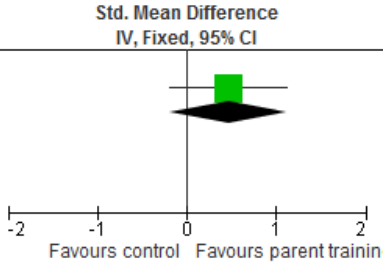


Test for subgroup differences: Not applicable

Figure 175: Effects of parental education, training and support on placement problems at 6 months follow-up.

Study or Subgroup	Experimental Mean	Experimental SD	Experimental Total	Control Mean	Control SD	Control Total	Weight	Std. Mean Difference IV, Fixed, 95% CI
8.12.1 Primary school								
Rushton 2010	36.65	7	19	33.25	7.3	18	100.0%	0.47 [-0.19, 1.12]
Subtotal (95% CI)			**19**			**18**	**100.0%**	**0.47 [-0.19, 1.12]**

Heterogeneity: Not applicable
Test for overall effect: Z = 1.39 (P = 0.16)



Test for subgroup differences: Not applicable

Figure 176: Effects of parental education, training and support on quality of parenting at 6 months of follow-up.