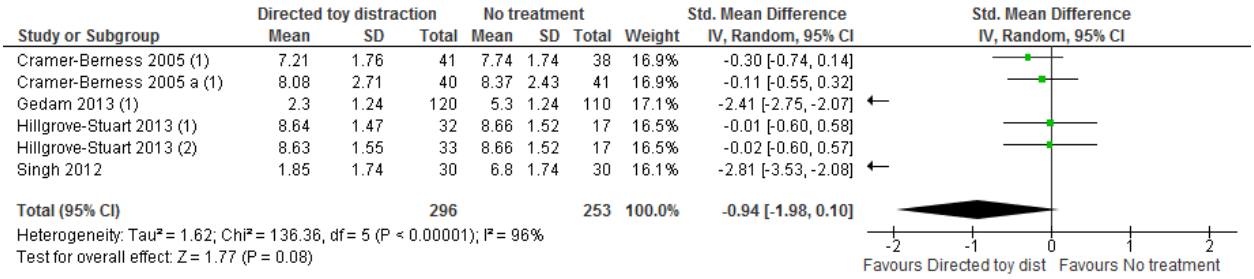
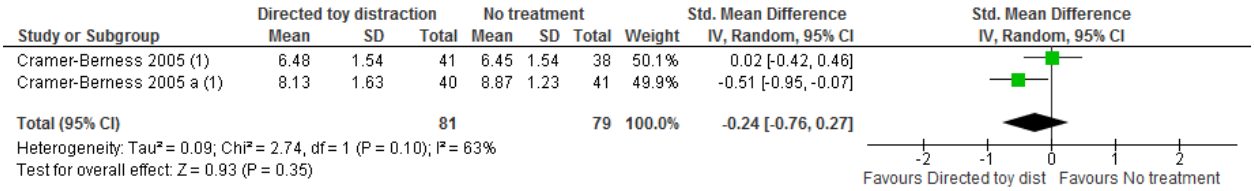
Revman Plots: Directed toy distraction child up to 3 yrs

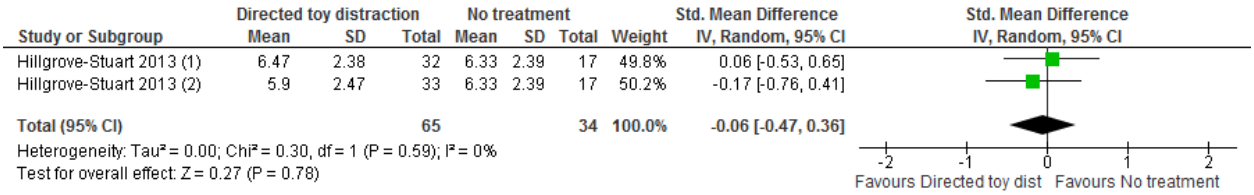
Distress Acute



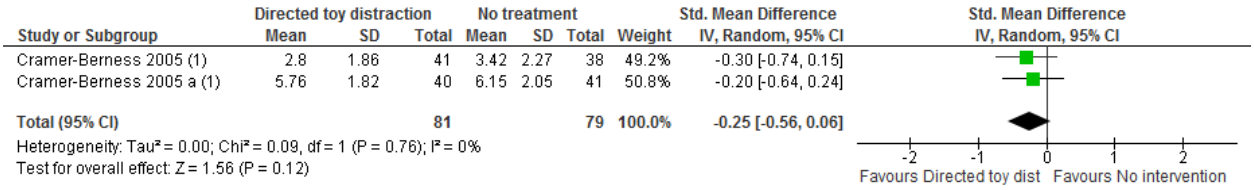
Distress Acute + Recovery



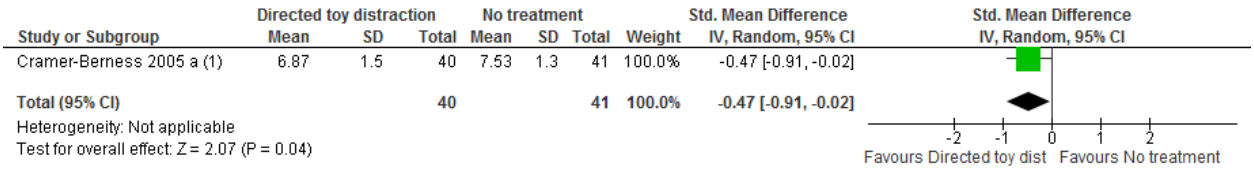
Distress Recovery



Distress Pre-procedure (post-intervention)



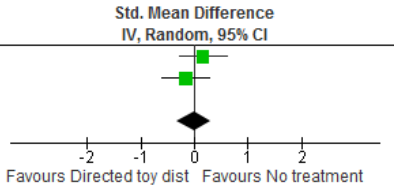
Distress Pre-procedure + Acute + Recovery



Parent Fear Pre-procedure (post-intervention)

Study or Subgroup	Directed toy distraction Mean	SD	Total	No treatment Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cramer-Berness 2005 (1)	4.29	2.84	41	3.87	2.37	38	49.4%	0.16 [-0.28, 0.60]
Cramer-Berness 2005 a (1)	2.46	2.72	40	2.97	3.25	41	50.6%	-0.17 [-0.60, 0.27]
Total (95% CI)			**81**			**79**	**100.0%**	**-0.01 [-0.33, 0.31]**

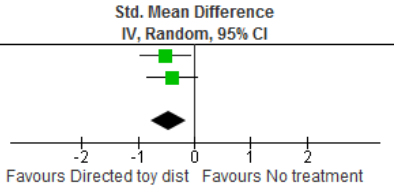
Heterogeneity: Tau² = 0.00; Chi² = 1.06, df = 1 (P = 0.30); I² = 6%
Test for overall effect: Z = 0.04 (P = 0.97)



Parent Fear

Study or Subgroup	Directed toy distraction Mean	SD	Total	No treatment Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cramer-Berness 2005 (1)	4.04	2.29	41	5.19	2.07	38	49.0%	-0.52 [-0.97, -0.07]
Cramer-Berness 2005 a (1)	4.18	3.19	40	5.56	3.67	41	51.0%	-0.40 [-0.84, 0.04]
Total (95% CI)			**81**			**79**	**100.0%**	**-0.46 [-0.77, -0.14]**

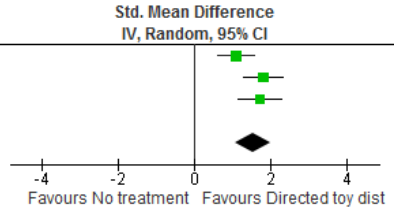
Heterogeneity: Tau² = 0.00; Chi² = 0.15, df = 1 (P = 0.70); I² = 0%
Test for overall effect: Z = 2.85 (P = 0.004)



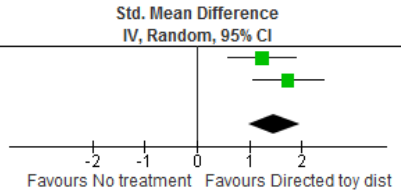
Parent Use of Intervention (behaviour)

Study or Subgroup	Directed toy distraction Mean	SD	Total	No treatment Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Cramer-Berness 2005 (1)	1.88	0.52	41	1.24	0.64	38	35.9%	1.09 [0.62, 1.57]
Cramer-Berness 2005 a (1)	2.29	0.6	40	1.25	0.54	41	33.3%	1.81 [1.29, 2.33]
Hillgrove-Stuart 2013 (1)	0.88	0.41	32	0.23	0.34	34	30.8%	1.71 [1.14, 2.28]
Total (95% CI)			**113**			**113**	**100.0%**	**1.52 [1.06, 1.98]**

Heterogeneity: Tau² = 0.10; Chi² = 4.70, df = 2 (P = 0.10); I² = 57%
Test for overall effect: Z = 6.47 (P < 0.00001)



Child Use of Intervention (behaviour)

Study or Subgroup	Directed toy distraction Mean	SD	Total	No treatment Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
Hillgrove-Stuart 2013 (1)	0.64	0.42	32	0.17	0.26	17	52.9%	1.24 [0.60, 1.88]
Hillgrove-Stuart 2013 (2)	0.82	0.41	33	0.17	0.26	17	47.1%	1.74 [1.06, 2.43]
Total (95% CI)			**65**			**34**	**100.0%**	**1.48 [0.98, 1.97]**

Heterogeneity: Tau² = 0.01; Chi² = 1.11, df = 1 (P = 0.29); I² = 10%
Test for overall effect: Z = 5.86 (P < 0.00001)