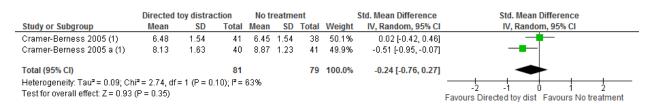
Revman Plots: Directed toy distraction child up to 3 yrs

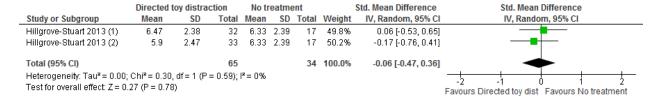
Distress Acute

	Directed 1	toy distra	ction	No ti	reatme	ent		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	I IV, Random, 95% CI
Cramer-Berness 2005 (1)	7.21	1.76	41	7.74	1.74	38	16.9%	-0.30 [-0.74, 0.14]	1
Cramer-Berness 2005 a (1)	8.08	2.71	40	8.37	2.43	41	16.9%	-0.11 [-0.55, 0.32]	j
Gedam 2013 (1)	2.3	1.24	120	5.3	1.24	110	17.1%	-2.41 [-2.75, -2.07]] ←
Hillgrove-Stuart 2013 (1)	8.64	1.47	32	8.66	1.52	17	16.5%	-0.01 [-0.60, 0.58]] -+-
Hillgrove-Stuart 2013 (2)	8.63	1.55	33	8.66	1.52	17	16.5%	-0.02 [-0.60, 0.57]	1
Singh 2012	1.85	1.74	30	6.8	1.74	30	16.1%	-2.81 [-3.53, -2.08]	1 ←
Total (95% CI)			296			253	100.0%	-0.94 [-1.98, 0.10]	
Heterogeneity: Tau ² = 1.62; Ch	ni² = 136.36,								
Test for overall effect: $Z = 1.77$	(P = 0.08)								Favours Directed toy dist Favours No treatment

Distress Acute + Recovery



Distress Recovery



Distress Pre-procedure (post-intervention)

	Directed toy distraction			No tr	reatme	ent		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Cramer-Berness 2005 (1)	2.8	1.86	41	3.42	2.27	38	49.2%	-0.30 [-0.74, 0.15]	
Cramer-Berness 2005 a (1)	5.76	1.82	40	6.15	2.05	41	50.8%	-0.20 [-0.64, 0.24]	
Total (95% CI)			81			79	100.0%	-0.25 [-0.56, 0.06]	•
Heterogeneity: Tau² = 0.00; Cl Test for overall effect: Z = 1.56		-2 -1 0 1 2 Favours Directed toy dist. Favours No intervention							

Distress Pre-procedure + Acute + Recovery

	Directed to	ected toy distraction			eatme	ent		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI		
Cramer-Berness 2005 a (1)	6.87	1.5	40	7.53	1.3	41	100.0%	-0.47 [-0.91, -0.02]	-		
Total (95% CI)			40			41	100.0%	-0.47 [-0.91, -0.02]	•		
Heterogeneity: Not applicable Test for overall effect: Z = 2.07	(P = 0.04)								-2 -1 0 1 2 Favours Directed toy dist Favours No treatment		

Parent Fear Pre-procedure (post-intervention)

	Directed	No tr	eatme	ent		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	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; Ch Test for overall effect: Z = 0.04		= 1 (P = 0.		-2 -1 0 1 2 Favours Directed toy dist Favours No treatment					

Parent Fear

	Directed t	Directed toy distraction				ent		Std. Mean Difference	Std. Mean Difference
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	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; CI Test for overall effect: Z = 2.85		= 1 (P = 0.		-2 -1 0 1 2 Favours Directed toy dist Favours No treatment					

Parent Use of Intervention (behaviour)



Child Use of Intervention (behaviour)

	Directed t	No tr	eatme	ent		Std. Mean Difference	Std. Mean Difference		
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	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;			-3 -1 1 1 3						
Test for overall effect: Z = 5.	86 (P < 0.00	001)							Favours No treatment Favours Directed toy dist