APPENDIX 14: CLINICAL EVIDENCE FOREST PLOTS

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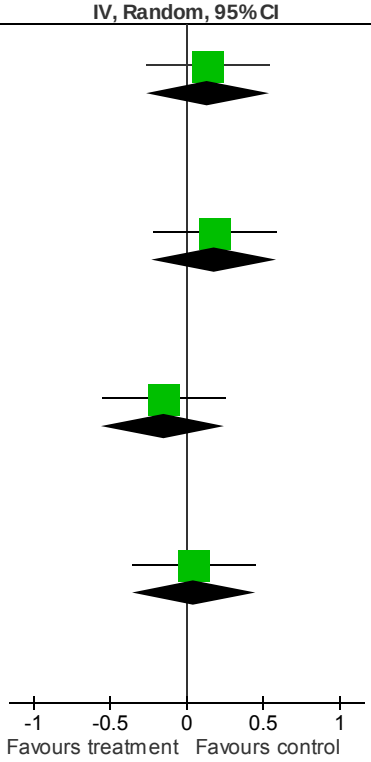
1 INTEGRATED SERVICE MODELS vs. STANDARD CARE (critical outcomes)

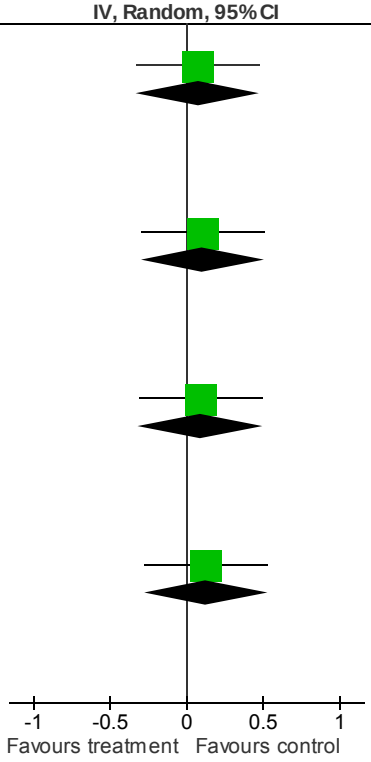
1.1 Substance use: 1. Substance use rating (high=poor)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.1.1 by 6 months								
Morse2006	3.15	1.09	46	2.98	1.3	49	100.0%	0.14 [-0.26, 0.54]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.14 [-0.26, 0.54]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.68 (P = 0.50)								
1.1.2 by 12 months								
Morse2006	3.07	0.96	46	2.86	1.3	49	100.0%	0.18 [-0.22, 0.58]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.18 [-0.22, 0.58]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.88 (P = 0.38)								
1.1.3 by 18 months								
Morse2006	2.83	1.3	46	3.02	1.2	49	100.0%	-0.15 [-0.55, 0.25]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**-0.15 [-0.55, 0.25]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.73 (P = 0.46)								
1.1.4 by 24 months								
Morse2006	2.76	1.11	46	2.7	1.28	49	100.0%	0.05 [-0.35, 0.45]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.05 [-0.35, 0.45]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.24 (P = 0.81)								



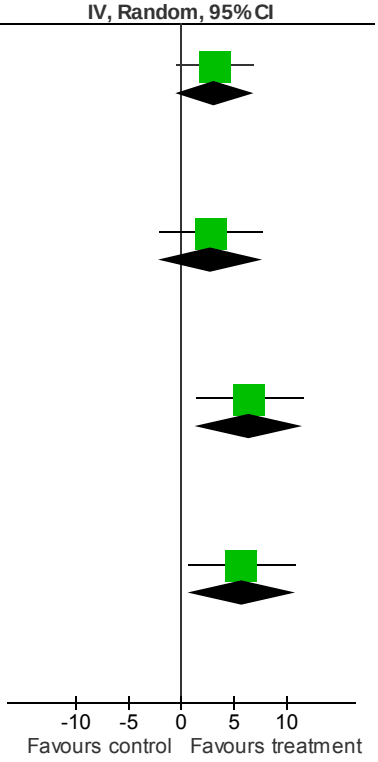
1.2 Substance use: 2. Days used substances

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.2.1 by 6 months								
Morse2006	6.88	6.61	46	6.34	7.52	49	100.0%	0.08 [-0.33, 0.48]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.08 [-0.33, 0.48]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.37 (P = 0.71)								
1.2.2 by 12 months								
Morse2006	8.28	7.4	46	7.46	7.98	49	100.0%	0.11 [-0.30, 0.51]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.11 [-0.30, 0.51]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.51 (P = 0.61)								
1.2.3 by 18 months								
Morse2006	7.85	8.51	46	7.1	7.92	49	100.0%	0.09 [-0.31, 0.49]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.09 [-0.31, 0.49]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.44 (P = 0.66)								
1.2.4 by 24 months								
Morse2006	7.43	8.06	46	6.42	7.84	49	100.0%	0.13 [-0.28, 0.53]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**0.13 [-0.28, 0.53]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.61 (P = 0.54)								



1.3 Service use: 1. Days in stable community residences (not in hospital)

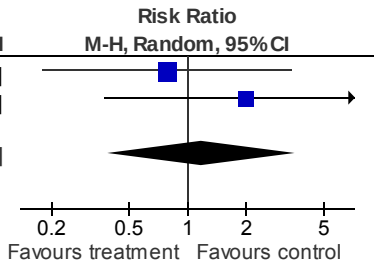
Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.3.1 by 6 months								
Morse2006	8.19	9.68	46	5.02	8.62	49	100.0%	3.17 [-0.52, 6.86]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**3.17 [-0.52, 6.86]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.68 (P = 0.09)								
1.3.2 by 12 months								
Morse2006	14.18	12.33	46	11.34	12.04	49	100.0%	2.84 [-2.07, 7.75]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**2.84 [-2.07, 7.75]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.13 (P = 0.26)								
1.3.3 by 18 months								
Morse2006	17.01	12.51	46	10.55	12.87	49	100.0%	6.46 [1.36, 11.56]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**6.46 [1.36, 11.56]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.48 (P = 0.01)								
1.3.4 by 24 months								
Morse2006	18.29	12.12	46	12.59	13.27	49	100.0%	5.70 [0.59, 10.81]
Subtotal (95% CI)			**46**			**49**	**100.0%**	**5.70 [0.59, 10.81]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.19 (P = 0.03)								



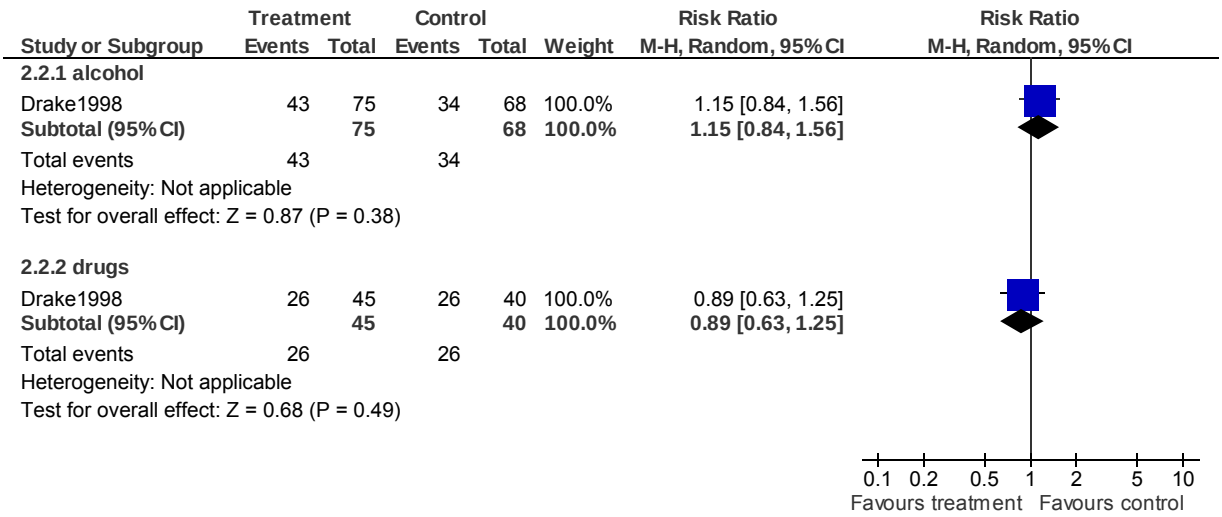
2 INTEGRATED ACT vs. CLINICAL CASE MANAGEMENT (critical outcomes)

2.1 Death - by 36 months

Study or Subgroup	Treatment Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Drake1998	3	109	4	114	56.3%	0.78 [0.18, 3.42]
Essock2006	4	99	2	99	43.7%	2.00 [0.37, 10.67]
Total (95% CI)		**208**		**213**	**100.0%**	**1.18 [0.39, 3.57]**
Total events	7		6			
Heterogeneity: Tau² = 0.00; Chi² = 0.68, df = 1 (P = 0.41); I² = 0%						
Test for overall effect: Z = 0.29 (P = 0.77)						

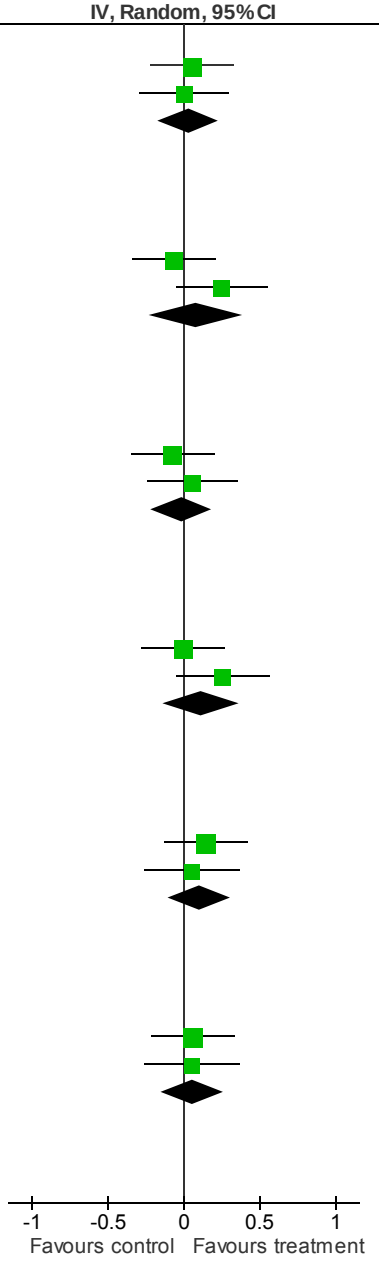


2.2 Substance use: 1. Not in remission - by 36 months



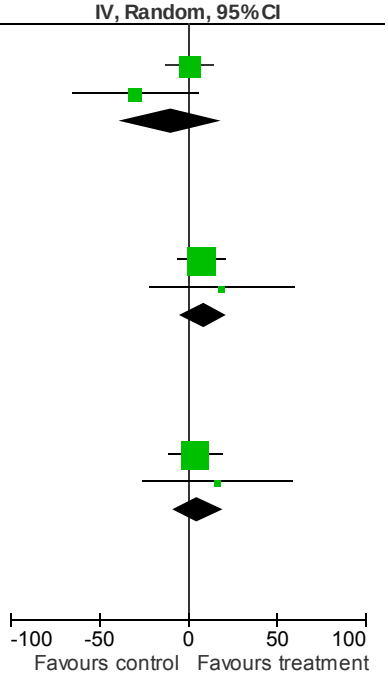
2.3 Substance use: 2. Substance abuse (SATS, low=poor)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
2.3.1 by 6 months								
Drake1998	3.69	1.32	105	3.62	1.19	98	53.6%	0.06 [-0.22, 0.33]
Essock2006	3.3	1.6	93	3.3	1.5	83	46.4%	0.00 [-0.30, 0.30]
Subtotal (95% CI)			**198**			**181**	**100.0%**	**0.03 [-0.17, 0.23]**
Heterogeneity: Tau² = 0.00; Chi² = 0.07, df = 1 (P = 0.79); I² = 0%								
Test for overall effect: Z = 0.29 (P = 0.77)								
2.3.2 by 12 months								
Drake1998	3.99	1.6	105	4.1	1.59	98	51.9%	-0.07 [-0.34, 0.21]
Essock2006	3.8	1.7	87	3.4	1.5	84	48.1%	0.25 [-0.05, 0.55]
Subtotal (95% CI)			**192**			**182**	**100.0%**	**0.08 [-0.23, 0.39]**
Heterogeneity: Tau² = 0.03; Chi² = 2.32, df = 1 (P = 0.13); I² = 57%								
Test for overall effect: Z = 0.53 (P = 0.60)								
2.3.3 by 18 months								
Drake1998	4.19	1.77	105	4.32	1.75	98	54.1%	-0.07 [-0.35, 0.20]
Essock2006	4	1.9	88	3.9	1.8	84	45.9%	0.05 [-0.25, 0.35]
Subtotal (95% CI)			**193**			**182**	**100.0%**	**-0.02 [-0.22, 0.19]**
Heterogeneity: Tau² = 0.00; Chi² = 0.38, df = 1 (P = 0.54); I² = 0%								
Test for overall effect: Z = 0.15 (P = 0.88)								
2.3.4 by 24 months								
Drake1998	4.5	1.76	105	4.51	1.73	98	53.8%	-0.01 [-0.28, 0.27]
Essock2006	4.2	2	79	3.7	1.9	83	46.2%	0.26 [-0.05, 0.56]
Subtotal (95% CI)			**184**			**181**	**100.0%**	**0.11 [-0.14, 0.37]**
Heterogeneity: Tau² = 0.01; Chi² = 1.53, df = 1 (P = 0.22); I² = 34%								
Test for overall effect: Z = 0.88 (P = 0.38)								
2.3.5 by 30 months								
Drake1998	4.76	1.92	105	4.48	1.88	98	56.6%	0.15 [-0.13, 0.42]
Essock2006	4.1	2	80	4	1.9	75	43.4%	0.05 [-0.26, 0.37]
Subtotal (95% CI)			**185**			**173**	**100.0%**	**0.11 [-0.10, 0.31]**
Heterogeneity: Tau² = 0.00; Chi² = 0.20, df = 1 (P = 0.65); I² = 0%								
Test for overall effect: Z = 0.99 (P = 0.32)								
2.3.6 by 36 months								
Drake1998	5.03	1.92	105	4.92	1.89	98	56.4%	0.06 [-0.22, 0.33]
Essock2006	4.4	1.8	78	4.3	2.1	79	43.6%	0.05 [-0.26, 0.36]
Subtotal (95% CI)			**183**			**177**	**100.0%**	**0.05 [-0.15, 0.26]**
Heterogeneity: Tau² = 0.00; Chi² = 0.00, df = 1 (P = 0.98); I² = 0%								
Test for overall effect: Z = 0.52 (P = 0.60)								



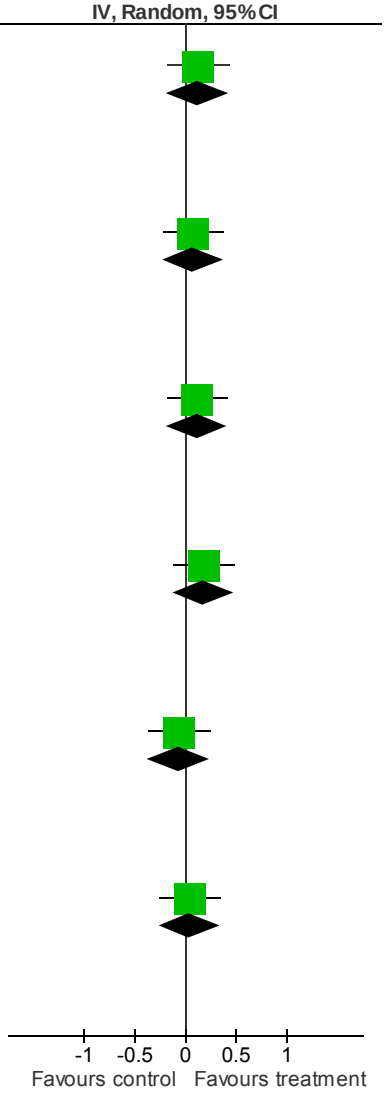
2.4 Service use: 1. Days in stable community residences (not in hospital)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
2.4.1 by 12 months								
Drake1998	151.7	43.3	105	151	54.2	98	65.0%	0.70 [-12.86, 14.26]
Essock2006	253.2	121.4	92	283.1	118.4	83	35.0%	-29.90 [-65.46, 5.66]
Subtotal (95% CI)			**197**			**181**	**100.0%**	**-10.00 [-38.61, 18.60]**
Heterogeneity: Tau² = 279.72; Chi² = 2.48, df = 1 (P = 0.11); I² = 60%								
Test for overall effect: Z = 0.69 (P = 0.49)								
2.4.2 by 24 months								
Drake1998	158.5	48.1	105	151.1	51.4	98	89.9%	7.40 [-6.32, 21.12]
Essock2006	264.3	130.4	89	245.6	143.9	85	10.1%	18.70 [-22.16, 59.56]
Subtotal (95% CI)			**194**			**183**	**100.0%**	**8.54 [-4.46, 21.55]**
Heterogeneity: Tau² = 0.00; Chi² = 0.26, df = 1 (P = 0.61); I² = 0%								
Test for overall effect: Z = 1.29 (P = 0.20)								
2.4.3 by 36 months								
Drake1998	171.4	52.6	105	167.7	58.1	98	88.5%	3.70 [-11.58, 18.98]
Essock2006	268.6	128	81	252.1	145.7	80	11.5%	16.50 [-25.88, 58.88]
Subtotal (95% CI)			**186**			**178**	**100.0%**	**5.17 [-9.20, 19.55]**
Heterogeneity: Tau² = 0.00; Chi² = 0.31, df = 1 (P = 0.58); I² = 0%								
Test for overall effect: Z = 0.71 (P = 0.48)								



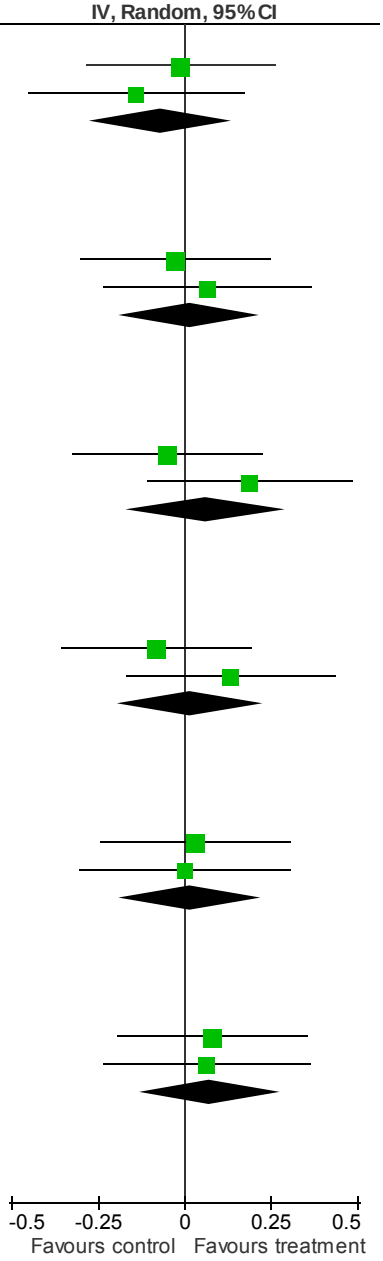
2.5 Functioning: 1. Average general score (GAS, low=poor)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
2.5.1 by 6 months								
Essock2006	41.9	8.9	87	40.8	8.5	75	100.0%	0.13 [-0.18, 0.43]
Subtotal (95% CI)			**87**			**75**	**100.0%**	**0.13 [-0.18, 0.43]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.80 (P = 0.43)								
2.5.2 by 12 months								
Essock2006	40.4	9.9	89	39.7	8.6	82	100.0%	0.07 [-0.23, 0.38]
Subtotal (95% CI)			**89**			**82**	**100.0%**	**0.07 [-0.23, 0.38]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.49 (P = 0.62)								
2.5.3 by 18 months								
Essock2006	40.6	10.1	90	39.6	7.2	86	100.0%	0.11 [-0.18, 0.41]
Subtotal (95% CI)			**90**			**86**	**100.0%**	**0.11 [-0.18, 0.41]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.75 (P = 0.45)								
2.5.4 by 24 months								
Essock2006	41.7	9.5	81	40	9.4	85	100.0%	0.18 [-0.13, 0.48]
Subtotal (95% CI)			**81**			**85**	**100.0%**	**0.18 [-0.13, 0.48]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.15 (P = 0.25)								
2.5.5 by 30 months								
Essock2006	39.8	9.4	84	40.4	9.9	80	100.0%	-0.06 [-0.37, 0.24]
Subtotal (95% CI)			**84**			**80**	**100.0%**	**-0.06 [-0.37, 0.24]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.40 (P = 0.69)								
2.5.6 by 36 months								
Essock2006	43	9.2	85	42.6	9.9	85	100.0%	0.04 [-0.26, 0.34]
Subtotal (95% CI)			**85**			**85**	**100.0%**	**0.04 [-0.26, 0.34]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.27 (P = 0.79)								



2.8 Satisfaction: Average general score (QOLI, low=poor)

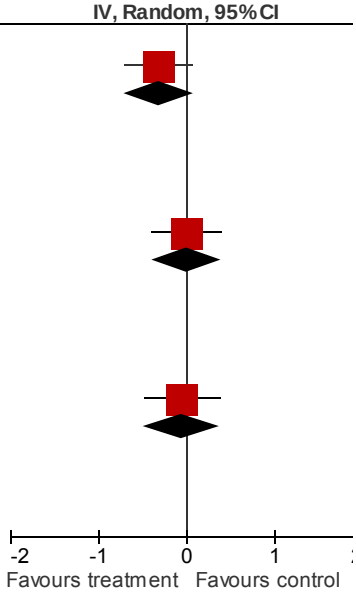
Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
2.8.1 by 6 months								
Drake1998	4.29	1.6	105	4.31	1.41	98	56.4%	-0.01 [-0.29, 0.26]
Essock2006	4.6	1.5	84	4.8	1.3	74	43.6%	-0.14 [-0.45, 0.17]
Subtotal (95% CI)			**189**			**172**	**100.0%**	**-0.07 [-0.28, 0.14]**
Heterogeneity: Tau² = 0.00; Chi² = 0.36, df = 1 (P = 0.55); I² = 0%								
Test for overall effect: Z = 0.65 (P = 0.51)								
2.8.2 by 12 months								
Drake1998	4.3	1.45	105	4.34	1.37	98	54.6%	-0.03 [-0.30, 0.25]
Essock2006	4.7	1.5	88	4.6	1.6	81	45.4%	0.06 [-0.24, 0.37]
Subtotal (95% CI)			**193**			**179**	**100.0%**	**0.01 [-0.19, 0.22]**
Heterogeneity: Tau² = 0.00; Chi² = 0.20, df = 1 (P = 0.66); I² = 0%								
Test for overall effect: Z = 0.13 (P = 0.89)								
2.8.3 by 18 months								
Drake1998	4.32	1.43	105	4.39	1.33	98	53.0%	-0.05 [-0.33, 0.22]
Essock2006	4.8	1.6	89	4.5	1.6	85	47.0%	0.19 [-0.11, 0.48]
Subtotal (95% CI)			**194**			**183**	**100.0%**	**0.06 [-0.17, 0.29]**
Heterogeneity: Tau² = 0.01; Chi² = 1.31, df = 1 (P = 0.25); I² = 24%								
Test for overall effect: Z = 0.52 (P = 0.61)								
2.8.4 by 24 months								
Drake1998	4.34	1.49	105	4.46	1.35	98	54.6%	-0.08 [-0.36, 0.19]
Essock2006	4.7	1.6	81	4.5	1.4	86	45.4%	0.13 [-0.17, 0.44]
Subtotal (95% CI)			**186**			**184**	**100.0%**	**0.01 [-0.20, 0.23]**
Heterogeneity: Tau² = 0.00; Chi² = 1.07, df = 1 (P = 0.30); I² = 7%								
Test for overall effect: Z = 0.13 (P = 0.89)								
2.8.5 by 30 months								
Drake1998	4.64	1.23	105	4.6	1.44	98	55.4%	0.03 [-0.25, 0.31]
Essock2006	4.8	1.6	83	4.8	1.5	80	44.6%	0.00 [-0.31, 0.31]
Subtotal (95% CI)			**188**			**178**	**100.0%**	**0.02 [-0.19, 0.22]**
Heterogeneity: Tau² = 0.00; Chi² = 0.02, df = 1 (P = 0.89); I² = 0%								
Test for overall effect: Z = 0.16 (P = 0.87)								
2.8.6 by 36 months								
Drake1998	4.56	1.23	105	4.46	1.29	98	54.4%	0.08 [-0.20, 0.35]
Essock2006	4.8	1.6	85	4.7	1.6	85	45.6%	0.06 [-0.24, 0.36]
Subtotal (95% CI)			**190**			**183**	**100.0%**	**0.07 [-0.13, 0.27]**
Heterogeneity: Tau² = 0.00; Chi² = 0.01, df = 1 (P = 0.94); I² = 0%								
Test for overall effect: Z = 0.69 (P = 0.49)								



3 STAFF ACCOMMODATION vs. STANDARD CARE (critical outcomes)

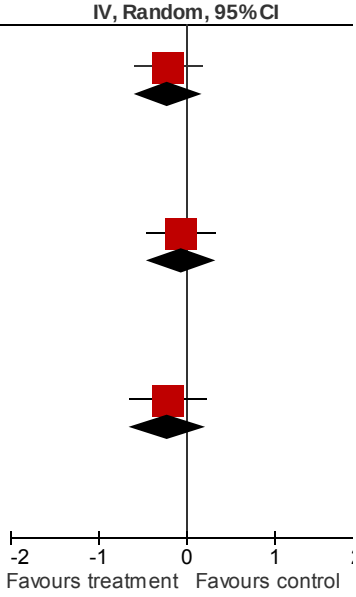
3.1 Substance use: 1. Days used alcohol (low=poor)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
3.1.1 3 months						
Burnam1995	-0.317	0.198	57	47	100.0%	-0.32 [-0.71, 0.07]
Subtotal (95% CI)			**57**	**47**	**100.0%**	**-0.32 [-0.71, 0.07]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.60 (P = 0.11)						
3.1.2 6 months						
Burnam1995	0	0.203	49	48	100.0%	0.00 [-0.40, 0.40]
Subtotal (95% CI)			**49**	**48**	**100.0%**	**0.00 [-0.40, 0.40]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.00 (P = 1.00)						
3.1.3 9 months						
Burnam1995	-0.051	0.222	45	37	100.0%	-0.05 [-0.49, 0.38]
Subtotal (95% CI)			**45**	**37**	**100.0%**	**-0.05 [-0.49, 0.38]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.23 (P = 0.82)						



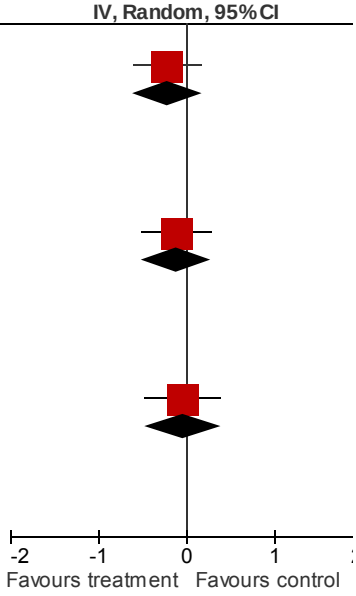
3.2 Substance use: 2. Level of alcohol use (low=poor)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
3.2.1 3 months						
Burnam1995	-0.21	0.198	57	47	100.0%	-0.21 [-0.60, 0.18]
Subtotal (95% CI)			**57**	**47**	**100.0%**	**-0.21 [-0.60, 0.18]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.06 (P = 0.29)						
3.2.2 6 months						
Burnam1995	-0.064	0.203	49	48	100.0%	-0.06 [-0.46, 0.33]
Subtotal (95% CI)			**49**	**48**	**100.0%**	**-0.06 [-0.46, 0.33]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.32 (P = 0.75)						
3.2.3 9 months						
Burnam1995	-0.212	0.223	45	37	100.0%	-0.21 [-0.65, 0.23]
Subtotal (95% CI)			**45**	**37**	**100.0%**	**-0.21 [-0.65, 0.23]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.95 (P = 0.34)						



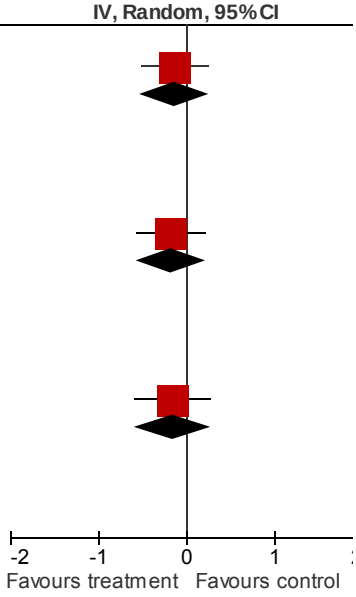
3.3 Substance use: 3. Days used drugs (low=poor)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
3.3.1 3 months						
Burnam1995	-0.219	0.198	57	47	100.0%	-0.22 [-0.61, 0.17]
Subtotal (95% CI)			**57**	**47**	**100.0%**	**-0.22 [-0.61, 0.17]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.11 (P = 0.27)						
3.3.2 6 months						
Burnam1995	-0.114	0.203	49	48	100.0%	-0.11 [-0.51, 0.28]
Subtotal (95% CI)			**49**	**48**	**100.0%**	**-0.11 [-0.51, 0.28]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.56 (P = 0.57)						
3.3.3 9 months						
Burnam1995	-0.044	0.222	45	37	100.0%	-0.04 [-0.48, 0.39]
Subtotal (95% CI)			**45**	**37**	**100.0%**	**-0.04 [-0.48, 0.39]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.20 (P = 0.84)						



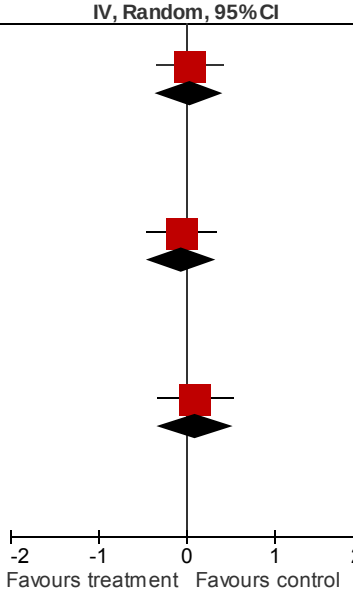
3.4 Substance use: 4. Severity of drug use (low=poor)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
3.4.1 3 months						
Burnam1995	-0.138	0.197	57	47	100.0%	-0.14 [-0.52, 0.25]
Subtotal (95% CI)			**57**	**47**	**100.0%**	**-0.14 [-0.52, 0.25]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.70 (P = 0.48)						
3.4.2 6 months						
Burnam1995	-0.177	0.203	49	48	100.0%	-0.18 [-0.57, 0.22]
Subtotal (95% CI)			**49**	**48**	**100.0%**	**-0.18 [-0.57, 0.22]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.87 (P = 0.38)						
3.4.3 9 months						
Burnam1995	-0.16	0.222	45	37	100.0%	-0.16 [-0.60, 0.28]
Subtotal (95% CI)			**45**	**37**	**100.0%**	**-0.16 [-0.60, 0.28]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.72 (P = 0.47)						



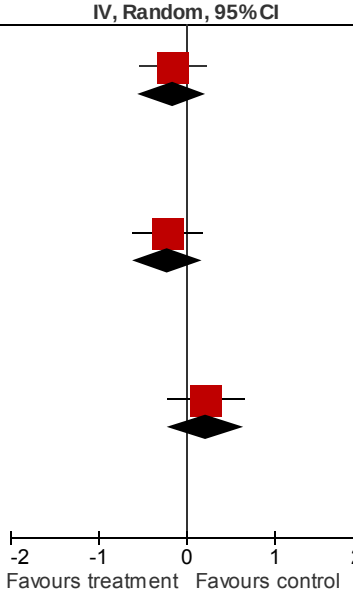
3.5 Functioning: 1. % time on streets (low=poor)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
3.5.1 3 months						
Burnam1995	0.035	0.197	57	47	100.0%	0.04 [-0.35, 0.42]
Subtotal (95% CI)			**57**	**47**	**100.0%**	**0.04 [-0.35, 0.42]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.18 (P = 0.86)						
3.5.2 6 months						
Burnam1995	-0.059	0.203	49	48	100.0%	-0.06 [-0.46, 0.34]
Subtotal (95% CI)			**49**	**48**	**100.0%**	**-0.06 [-0.46, 0.34]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.29 (P = 0.77)						
3.5.3 9 months						
Burnam1995	0.1	0.222	45	37	100.0%	0.10 [-0.34, 0.54]
Subtotal (95% CI)			**45**	**37**	**100.0%**	**0.10 [-0.34, 0.54]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.45 (P = 0.65)						



3.6 Functioning: 2. % time in independent housing (low=poor)

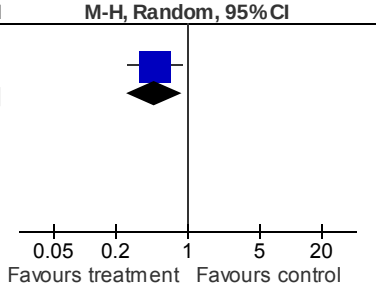
Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
3.6.1 3 months						
Burnam1995	-0.16	0.197	57	47	100.0%	-0.16 [-0.55, 0.23]
Subtotal (95% CI)			**57**	**47**	**100.0%**	**-0.16 [-0.55, 0.23]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.81 (P = 0.42)						
3.6.2 6 months						
Burnam1995	-0.215	0.204	49	48	100.0%	-0.21 [-0.61, 0.18]
Subtotal (95% CI)			**49**	**48**	**100.0%**	**-0.21 [-0.61, 0.18]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.05 (P = 0.29)						
3.6.3 9 months						
Burnam1995	0.221	0.223	45	37	100.0%	0.22 [-0.22, 0.66]
Subtotal (95% CI)			**45**	**37**	**100.0%**	**0.22 [-0.22, 0.66]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 0.99 (P = 0.32)						



1 CBT vs. STANDARD CARE (critical outcomes)

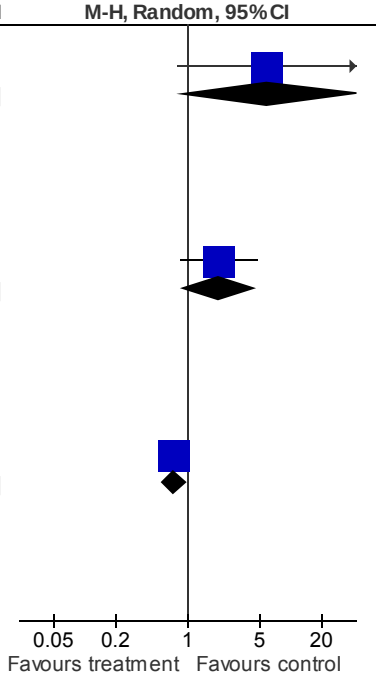
1.1 Substance use: 1. Using substances - by 1 month

Study or Subgroup	Treatment Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
1.1.1 alcohol or drugs						
WEISS2009	9	31	18	30	100.0%	0.48 [0.26, 0.90]
Subtotal (95% CI)		**31**		**30**	**100.0%**	**0.48 [0.26, 0.90]**
Total events	9		18			
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.28 (P = 0.02)						



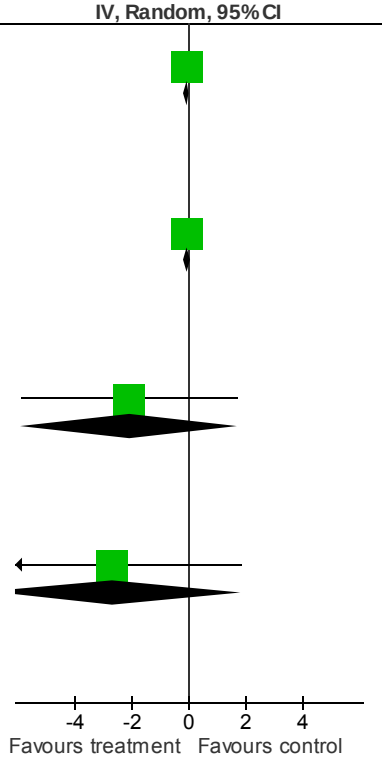
1.2 Substance use: 2. Using substances - by 3 months

Study or Subgroup	Treatment Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
1.2.1 alcohol						
Schmitz2002	7	25	1	21	100.0%	5.88 [0.79, 44.03]
Subtotal (95% CI)		**25**		**21**	**100.0%**	**5.88 [0.79, 44.03]**
Total events	7		1			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.72 (P = 0.08)						
1.2.2 drugs						
Schmitz2002	12	25	5	21	100.0%	2.02 [0.85, 4.80]
Subtotal (95% CI)		**25**		**21**	**100.0%**	**2.02 [0.85, 4.80]**
Total events	12		5			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.58 (P = 0.11)						
1.2.3 alcohol or drugs						
WEISS2009	20	31	26	30	100.0%	0.74 [0.55, 1.00]
Subtotal (95% CI)		**31**		**30**	**100.0%**	**0.74 [0.55, 1.00]**
Total events	20		26			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.95 (P = 0.05)						



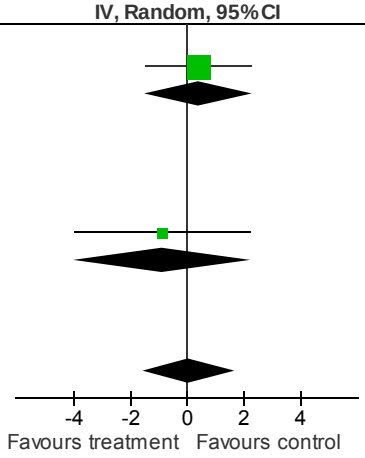
1.3 Substance use: 3. Any substance (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.3.1 average score (ASI) by 3 months								
Weiss2007	0.2	0.18	31	0.27	0.17	31	100.0%	-0.07 [-0.16, 0.02]
Subtotal (95% CI)			**31**			**31**	**100.0%**	**-0.07 [-0.16, 0.02]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.57 (P = 0.12)								
1.3.2 average score (ASI) by 6-9 months								
Weiss2007	0.18	0.18	31	0.24	0.23	31	100.0%	-0.06 [-0.16, 0.04]
Subtotal (95% CI)			**31**			**31**	**100.0%**	**-0.06 [-0.16, 0.04]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.14 (P = 0.25)								
1.3.3 days reporting any substance use (ASI) by 3 months								
WEISS2009	4.4	7.2	31	6.5	7.9	30	100.0%	-2.10 [-5.90, 1.70]
Subtotal (95% CI)			**31**			**30**	**100.0%**	**-2.10 [-5.90, 1.70]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.08 (P = 0.28)								
1.3.5 days reporting any substance use (ASI) by 6 months								
WEISS2009	5.2	7	31	7.9	10.7	30	100.0%	-2.70 [-7.25, 1.85]
Subtotal (95% CI)			**31**			**30**	**100.0%**	**-2.70 [-7.25, 1.85]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.16 (P = 0.25)								



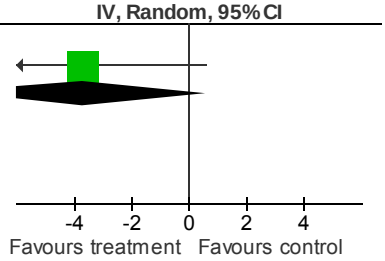
1.4 Substance use: 4. Drugs use - by 3 months (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.4.1 days reporting drug use (not ASI) by 3 months								
Schmitz2002	1.9	4	25	1.5	2.4	21	73.3%	0.40 [-1.47, 2.27]
Subtotal (95% CI)			**25**			**21**	**73.3%**	**0.40 [-1.47, 2.27]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.42 (P = 0.68)								
1.4.2 days reporting drug use (ASI) by 3 months								
WEISS2009	2.1	4.2	29	3	7.3	28	26.7%	-0.90 [-4.01, 2.21]
Subtotal (95% CI)			**29**			**28**	**26.7%**	**-0.90 [-4.01, 2.21]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.57 (P = 0.57)								
Total (95% CI)			**54**			**49**	**100.0%**	**0.05 [-1.55, 1.66]**
Heterogeneity: Tau² = 0.00; Chi² = 0.49, df = 1 (P = 0.48); I² = 0%								
Test for overall effect: Z = 0.06 (P = 0.95)								



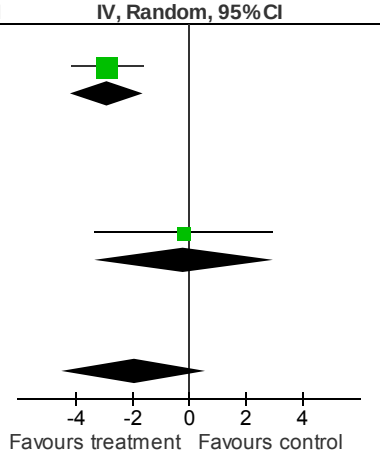
1.5 Substance use: 5. Drugs use - by 6 months (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.5.3 days reporting drug use (ASI) by 6 months								
WEISS2009	2.3	5.4	29	6	10.3	28	100.0%	-3.70 [-7.99, 0.59]
Subtotal (95% CI)			**29**			**28**	**100.0%**	**-3.70 [-7.99, 0.59]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.69 (P = 0.09)								



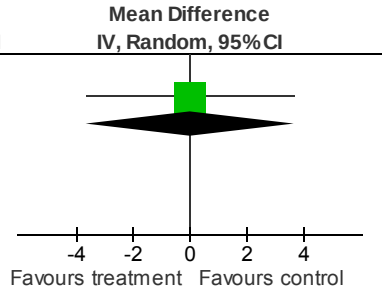
1.6 Substance use: 6. Alcohol use - by 3 months (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.6.4 days reporting alcohol use in previous 4 weeks (not ASI) by 3 months								
Schmitz2002	0.1	0.3	25	3	3	21	64.7%	-2.90 [-4.19, -1.61]
Subtotal (95% CI)			**25**			**21**	**64.7%**	**-2.90 [-4.19, -1.61]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 4.41 (P < 0.0001)								
1.6.5 days reporting alcohol use (ASI) by 3 months								
WEISS2009	3.6	6.5	29	3.8	5.6	28	35.3%	-0.20 [-3.35, 2.95]
Subtotal (95% CI)			**29**			**28**	**35.3%**	**-0.20 [-3.35, 2.95]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.12 (P = 0.90)								
Total (95% CI)			**54**			**49**	**100.0%**	**-1.95 [-4.48, 0.58]**
Heterogeneity: Tau² = 2.14; Chi² = 2.42, df = 1 (P = 0.12); I² = 59%								
Test for overall effect: Z = 1.51 (P = 0.13)								



1.7 Substance use: 7. Alcohol use - by 6 months (skewed data)

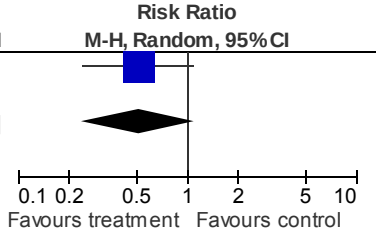
Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
1.7.6 days reporting alcohol use (ASI) by 6 months								
WEISS2009	4.2	5.9	29	4.2	8	28	100.0%	0.00 [-3.66, 3.66]
Subtotal (95% CI)			**29**			**28**	**100.0%**	**0.00 [-3.66, 3.66]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.00 (P = 1.00)								



2 MOTIVATIONAL INTERVIEWING vs. STANDARD CARE (critical outcomes)

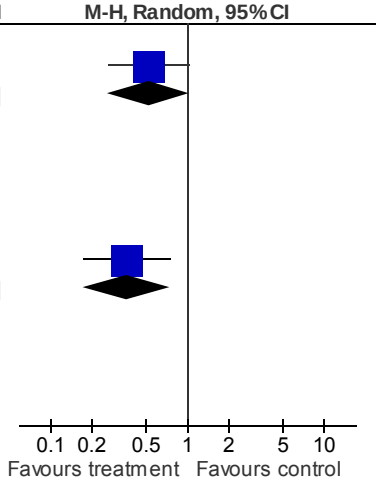
2.1 Substance use: 1. Not abstinent or not improved on all substances - by 12 months

Study or Subgroup	Treatment Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Kavanagh2004	5	13	9	12	100.0%	0.51 [0.24, 1.10]
Total (95% CI)		**13**		**12**	**100.0%**	**0.51 [0.24, 1.10]**
Total events	5		9			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.72 (P = 0.09)						



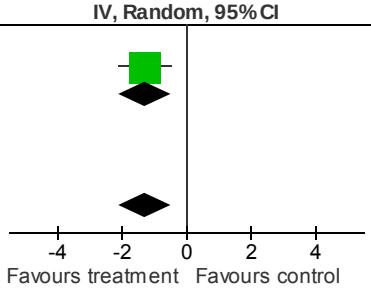
2.2 Substance use: 2. Not abstaining from alcohol

Study or Subgroup	Treatment Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
2.2.1 by 3 months						
Graeber2003	6	15	10	13	100.0%	0.52 [0.26, 1.03]
Subtotal (95% CI)		**15**		**13**	**100.0%**	**0.52 [0.26, 1.03]**
Total events	6		10			
Heterogeneity: Not applicable						
Test for overall effect: Z = 1.86 (P = 0.06)						
2.2.2 by 6 months						
Graeber2003	5	15	12	13	100.0%	0.36 [0.17, 0.75]
Subtotal (95% CI)		**15**		**13**	**100.0%**	**0.36 [0.17, 0.75]**
Total events	5		12			
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.72 (P = 0.006)						



2.3 Substance use: 3. Other measures of alcohol use (skewed data)

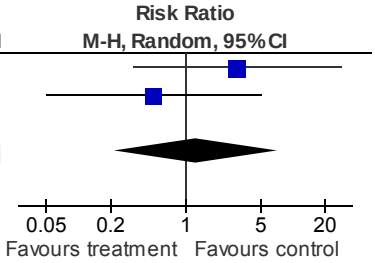
Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
2.3.2 drinking days - by 6 months								
Graeber2003	3.1	6.24	15	12.73	8.25	13	100.0%	-1.29 [-2.12, -0.46]
Subtotal (95% CI)			**15**			**13**	**100.0%**	**-1.29 [-2.12, -0.46]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 3.06 (P = 0.002)								
Total (95% CI)			**15**			**13**	**100.0%**	**-1.29 [-2.12, -0.46]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 3.06 (P = 0.002)								
Test for subgroup differences: Not applicable								



3 CBT + MOTIVATIONAL INTERVIEWING vs. STANDARD CARE (critical outcomes)

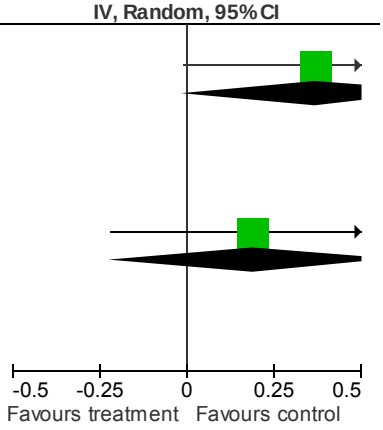
3.1 Death - by about 1 year

Study or Subgroup	Treatment Events	Total	Control Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Baker2006	3	65	1	65	51.3%	3.00 [0.32, 28.09]
Barrowclough2001	1	18	2	18	48.7%	0.50 [0.05, 5.04]
Total (95% CI)		**83**		**83**	**100.0%**	**1.25 [0.22, 7.28]**
Total events	4		3			
Heterogeneity: Tau² = 0.27; Chi² = 1.20, df = 1 (P = 0.27); I² = 16%						
Test for overall effect: Z = 0.25 (P = 0.80)						



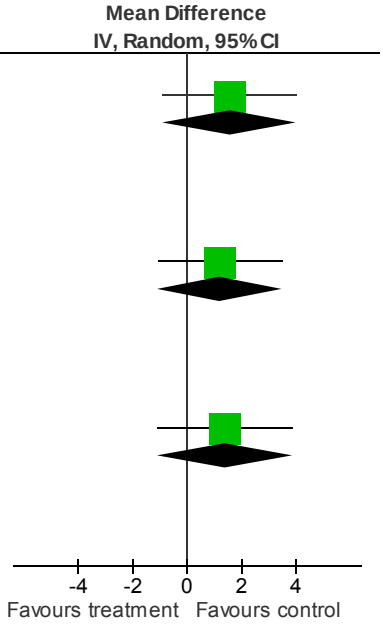
3.2 Substance use: 1. Average number of different drugs used during the past month (OTI, high = poor)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
3.2.1 by 3 months								
Baker2006	2.81	1.08	58	2.44	1.05	61	100.0%	0.37 [-0.01, 0.75]
Subtotal (95% CI)			**58**			**61**	**100.0%**	**0.37 [-0.01, 0.75]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.89 (P = 0.06)								
3.2.2 by 6 months								
Baker2006	2.6	1.14	58	2.41	1.15	61	100.0%	0.19 [-0.22, 0.60]
Subtotal (95% CI)			**58**			**61**	**100.0%**	**0.19 [-0.22, 0.60]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.90 (P = 0.37)								



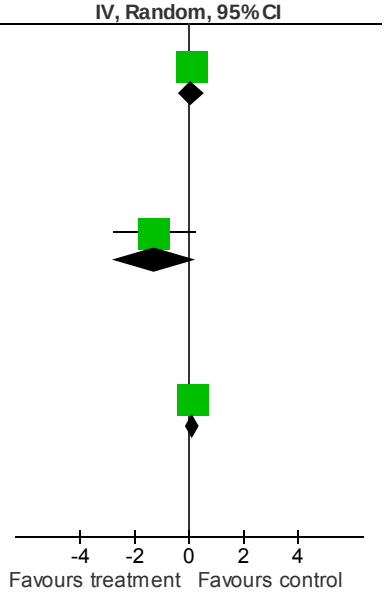
3.3 Substance use: 2. Average score - alcohol (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
3.3.1 alcohol - estimated daily consumption - past month - 3 months								
Baker2006	4.92	4.69	21	3.35	4.1	31	100.0%	1.57 [-0.90, 4.04]
Subtotal (95% CI)			**21**			**31**	**100.0%**	**1.57 [-0.90, 4.04]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.25 (P = 0.21)								
3.3.2 alcohol - estimated daily consumption - past month - 6 months								
Baker2006	3.73	4.07	21	2.52	4.2	31	100.0%	1.21 [-1.07, 3.49]
Subtotal (95% CI)			**21**			**31**	**100.0%**	**1.21 [-1.07, 3.49]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.04 (P = 0.30)								
3.3.3 alcohol - estimated daily consumption - past month - 12 months								
Baker2006	3.58	4.8	18	2.19	3.04	28	100.0%	1.39 [-1.10, 3.88]
Subtotal (95% CI)			**18**			**28**	**100.0%**	**1.39 [-1.10, 3.88]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.10 (P = 0.27)								



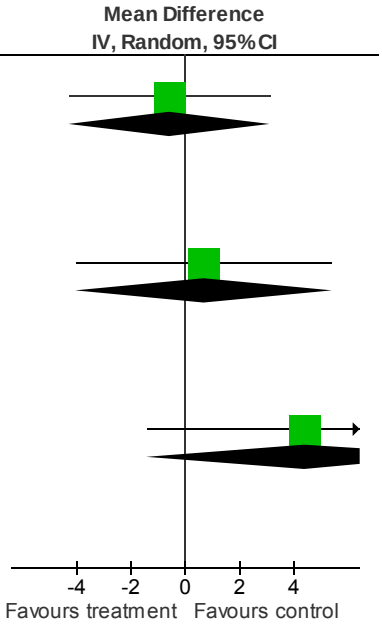
3.4 Substance use: 3. Average score - amphetamine (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
3.4.4 amphetamine- estimated daily consumption - past month - 3 months								
Baker2006	0.34	0.53	11	0.25	0.57	9	100.0%	0.09 [-0.40, 0.58]
Subtotal (95% CI)			**11**			**9**	**100.0%**	**0.09 [-0.40, 0.58]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.36 (P = 0.72)								
3.4.5 amphetamine- estimated daily consumption - past month - 6 months								
Baker2006	0.19	0.41	11	1.47	2.28	9	100.0%	-1.28 [-2.79, 0.23]
Subtotal (95% CI)			**11**			**9**	**100.0%**	**-1.28 [-2.79, 0.23]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.66 (P = 0.10)								
3.4.6 amphetamine- estimated daily consumption - past month - 12 months								
Baker2006	0.14	0.26	9	0.01	0.25	8	100.0%	0.13 [-0.11, 0.37]
Subtotal (95% CI)			**9**			**8**	**100.0%**	**0.13 [-0.11, 0.37]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.05 (P = 0.29)								



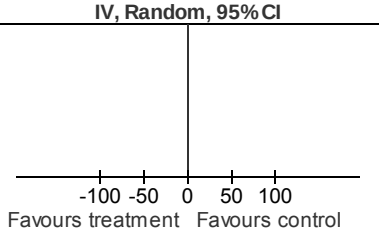
3.5 Substance use: 4. Average score - cannabis (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
3.5.7 cannabis- estimated daily consumption - past month - 3 months								
Baker2006	5.09	7.21	39	5.66	8.72	34	100.0%	-0.57 [-4.27, 3.13]
Subtotal (95% CI)			**39**			**34**	**100.0%**	**-0.57 [-4.27, 3.13]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.30 (P = 0.76)								
3.5.8 cannabis- estimated daily consumption - past month - 6 months								
Baker2006	5.37	11.75	39	4.67	8.68	34	100.0%	0.70 [-4.00, 5.40]
Subtotal (95% CI)			**39**			**34**	**100.0%**	**0.70 [-4.00, 5.40]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.29 (P = 0.77)								
3.5.9 cannabis- estimated daily consumption - past month - 12 months								
Baker2006	8.53	14.59	29	4.12	6.51	29	100.0%	4.41 [-1.40, 10.22]
Subtotal (95% CI)			**29**			**29**	**100.0%**	**4.41 [-1.40, 10.22]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.49 (P = 0.14)								



3.6 Substance use: 5. ASI (skewed data)

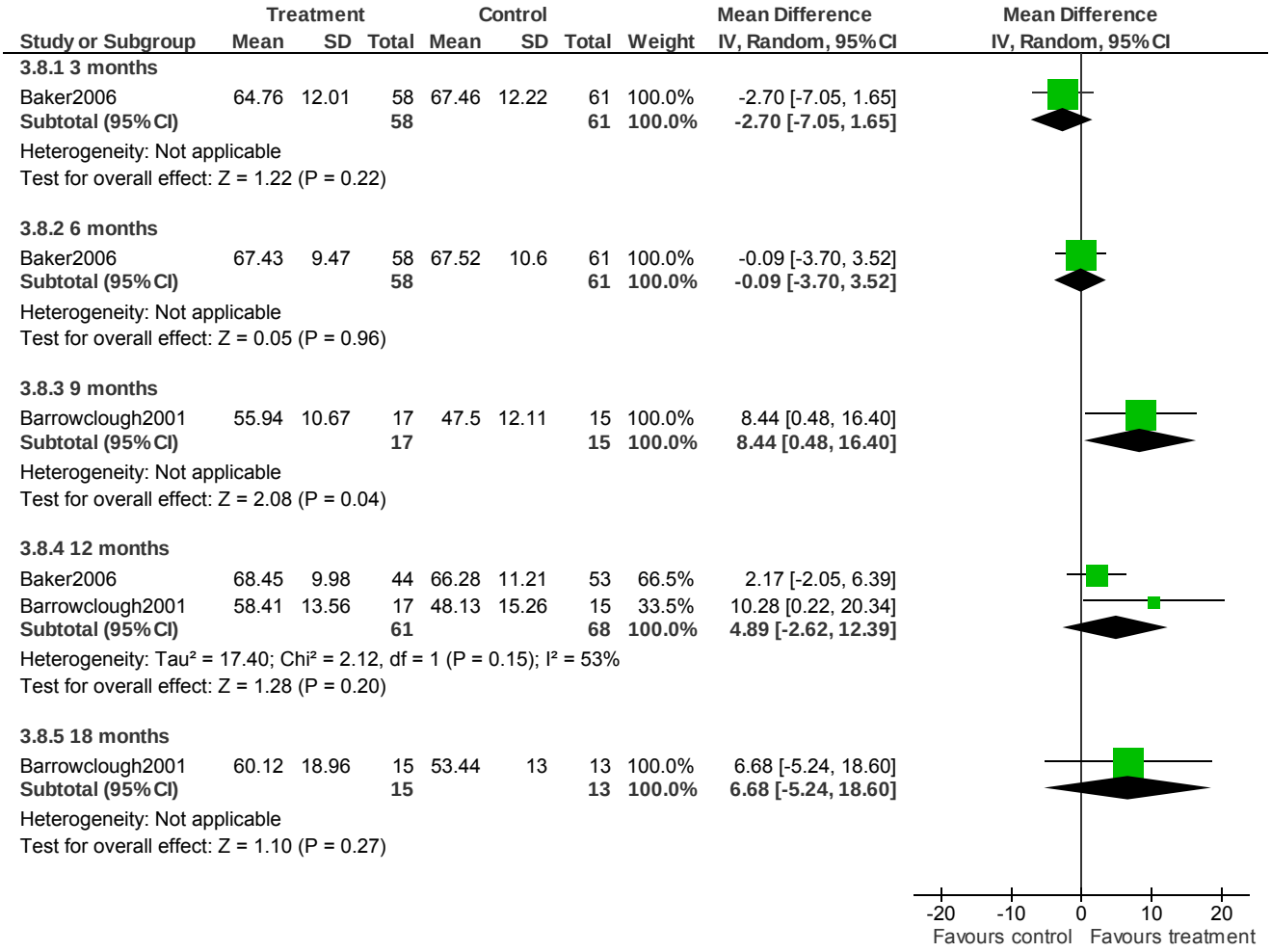
Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
3.6.10 general - ASI score - 6 months								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



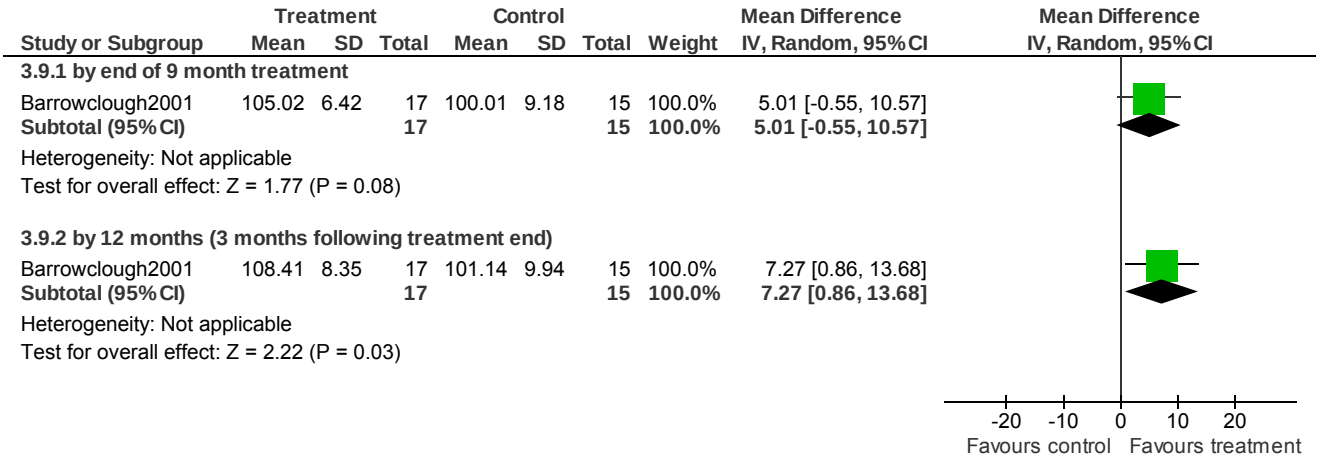
3.7 Substance use: 6. Average change in % days abstinent during & after treatment

Study ID	Treatment Group	Median	range	N	Notes
Barrowclough2001	CBT + MI	19.99	-25.6 to 83.4	17	U=86.5 p<0.03 Non-parametric analysis. Data summed over 4 time periods (to 12 months) and subtracted from baseline.
	TAU	-6.52	-67.9-53.2	15	

3.8 Functioning: 1. Average global functioning score (GAF, low = poor)



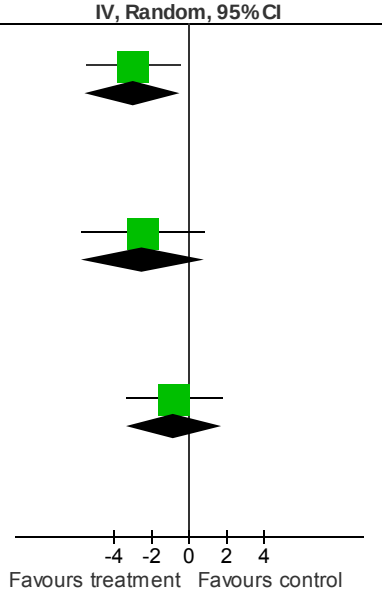
3.9 Functioning: 2. Average social functioning score (SFS, low = poor)



4 SOCIAL SKILLS/PSYCHOEDUCATION vs. STANDARD CARE (critical outcomes)

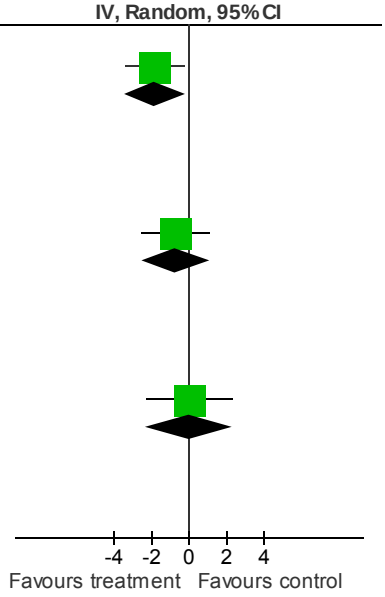
4.1 Substance use: 1. Average score - C-DIS-R Drugs (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
4.1.1 C-DIS-R DRUGS by 6 months								
Jerrell1995	1.85	2.74	21	4.84	5.69	25	100.0%	-2.99 [-5.51, -0.47]
Subtotal (95% CI)			**21**			**25**	**100.0%**	**-2.99 [-5.51, -0.47]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.33 (P = 0.02)								
4.1.2 C-DIS-R DRUGS by 12 months								
Jerrell1995	3.52	3.53	21	5.99	7.46	25	100.0%	-2.47 [-5.76, 0.82]
Subtotal (95% CI)			**21**			**25**	**100.0%**	**-2.47 [-5.76, 0.82]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.47 (P = 0.14)								
4.1.3 C-DIS-R DRUGS by 18 months								
Jerrell1995	1.43	2.7	7	2.22	3.46	18	100.0%	-0.79 [-3.35, 1.77]
Subtotal (95% CI)			**7**			**18**	**100.0%**	**-0.79 [-3.35, 1.77]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.60 (P = 0.55)								



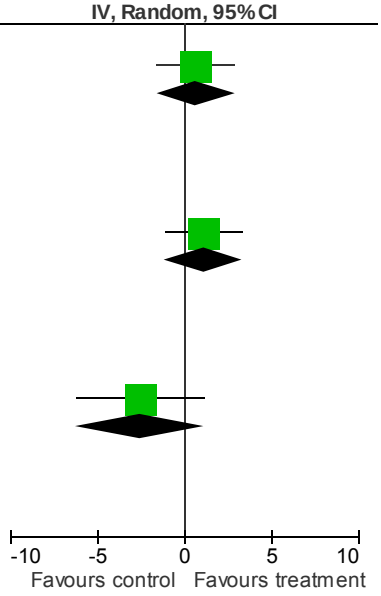
4.2 Substance use: 2. Average score - C-DIS-R Alcohol (skewed data)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
4.2.4 C-DIS-R Alcohol by 6 months								
Jerrell1995	0.99	1.92	21	2.8	3.49	25	100.0%	-1.81 [-3.41, -0.21]
Subtotal (95% CI)			**21**			**25**	**100.0%**	**-1.81 [-3.41, -0.21]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 2.22 (P = 0.03)								
4.2.5 C-DIS-R Alcohol by 12 months								
Jerrell1995	2.24	2.83	21	2.95	3.5	25	100.0%	-0.71 [-2.54, 1.12]
Subtotal (95% CI)			**21**			**25**	**100.0%**	**-0.71 [-2.54, 1.12]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.76 (P = 0.45)								
4.2.6 C-DIS-R Alcohol by 18 months								
Jerrell1995	1.43	2.7	7	1.39	2.52	18	100.0%	0.04 [-2.27, 2.35]
Subtotal (95% CI)			**7**			**18**	**100.0%**	**0.04 [-2.27, 2.35]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.03 (P = 0.97)								



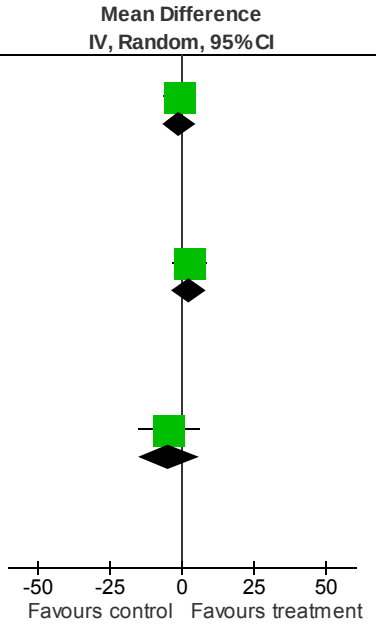
4.3 Functioning: 1. Average role functioning score (RFS, high = better functioning)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
4.3.1 by 6 months								
Jerrell1995	12.77	3.98	22	12.16	3.84	25	100.0%	0.61 [-1.63, 2.85]
Subtotal (95% CI)			**22**			**25**	**100.0%**	**0.61 [-1.63, 2.85]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.53 (P = 0.59)								
4.3.2 by 12 months								
Jerrell1995	13.09	4.3	22	12.02	3.32	25	100.0%	1.07 [-1.15, 3.29]
Subtotal (95% CI)			**22**			**25**	**100.0%**	**1.07 [-1.15, 3.29]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.95 (P = 0.34)								
4.3.3 by 18 months								
Jerrell1995	10.89	3.99	7	13.44	4.78	18	100.0%	-2.55 [-6.24, 1.14]
Subtotal (95% CI)			**7**			**18**	**100.0%**	**-2.55 [-6.24, 1.14]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.35 (P = 0.18)								



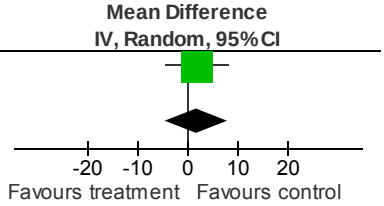
4.4 Functioning: 2. Average social adjustment score (SAS, high = better functioning)

Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
4.4.1 by 6 months								
Jerrell1995	74.65	11.17	22	75.57	8.17	25	100.0%	-0.92 [-6.58, 4.74]
Subtotal (95% CI)			**22**			**25**	**100.0%**	**-0.92 [-6.58, 4.74]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.32 (P = 0.75)								
4.4.2 by 12 months								
Jerrell1995	75.68	10.78	22	73.1	9.99	25	100.0%	2.58 [-3.39, 8.55]
Subtotal (95% CI)			**22**			**25**	**100.0%**	**2.58 [-3.39, 8.55]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.85 (P = 0.40)								
4.4.3 by 18 months								
Jerrell1995	71.58	12.63	7	76.24	10.9	18	100.0%	-4.66 [-15.29, 5.97]
Subtotal (95% CI)			**7**			**18**	**100.0%**	**-4.66 [-15.29, 5.97]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.86 (P = 0.39)								



4.5 Service use: 1. Days in hospital (skewed data)

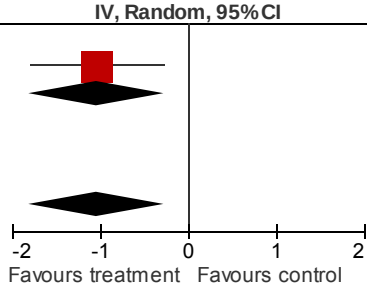
Study or Subgroup	Treatment Mean	SD	Total	Control Mean	SD	Total	Weight	Mean Difference IV, Random, 95% CI
Hellerstein1995	5.4	10.4	16	3.6	6.7	13	100.0%	1.80 [-4.46, 8.06]
Total (95% CI)			**16**			**13**	**100.0%**	**1.80 [-4.46, 8.06]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.56 (P = 0.57)								



5 CONTINGENCY MANAGEMENT vs. STANDARD CARE (critical outcomes)

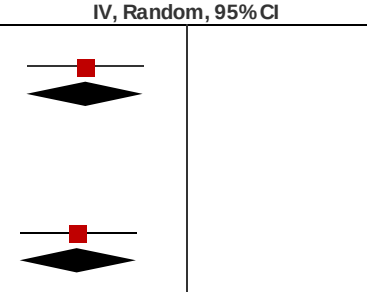
5.1 Substance use: 1. No. of days/weeks of drug use (confirmation by urine drug screen)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
5.1.1 Days of cocaine use						
Tracy2007	-1.04	0.39	15	15	100.0%	-1.04 [-1.80, -0.28]
Subtotal (95% CI)			**15**	**15**	**100.0%**	**-1.04 [-1.80, -0.28]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.67 (P = 0.008)						
Total (95% CI)			**15**	**15**	**100.0%**	**-1.04 [-1.80, -0.28]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.67 (P = 0.008)						



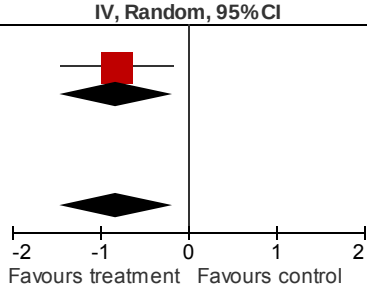
5.2 Substance use: 2. No. of days/weeks of alcohol use (confirmation by breathalyzer)

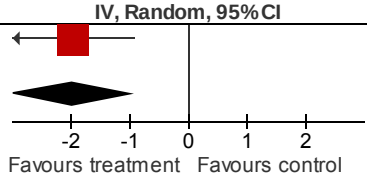
Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
5.2.1 weeks of alcohol use						
Ries2004	-1.16	0.34	22	19	50.0%	-1.16 [-1.83, -0.49]
Subtotal (95% CI)			**22**	**19**	**50.0%**	**-1.16 [-1.83, -0.49]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 3.41 (P = 0.0006)						
5.2.2 days of alcohol use						
Tracy2007	-1.25	0.34	15	15	50.0%	-1.25 [-1.92, -0.58]
Subtotal (95% CI)			**15**	**15**	**50.0%**	**-1.25 [-1.92, -0.58]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 3.68 (P = 0.0002)						
Total (95% CI)			**37**	**34**	**100.0%**	**-1.21 [-1.68, -0.73]**
Heterogeneity: Tau² = 0.00; Chi² = 0.04, df = 1 (P = 0.85); I² = 0%						
Test for overall effect: Z = 5.01 (P < 0.00001)						



5.3 Substance use: 3. No. of days/weeks using both drugs and alcohol (confirmation by urine or breathalyzer)

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
5.3.1 weeks						
Ries2004	-0.82	0.33	22	19	100.0%	-0.82 [-1.47, -0.17]
Subtotal (95% CI)			**22**	**19**	**100.0%**	**-0.82 [-1.47, -0.17]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.48 (P = 0.01)						
Total (95% CI)			**22**	**19**	**100.0%**	**-0.82 [-1.47, -0.17]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 2.48 (P = 0.01)						



5.4 Substance use: 4. Alcohol positive breathalyzer samples

Study or Subgroup	Std. Mean Difference	SE	Treatment Total	Control Total	Weight	Std. Mean Difference IV, Random, 95% CI
Tracy2007	-1.97	0.54	15	15	100.0%	-1.97 [-3.03, -0.91]
Total (95% CI)			**15**	**15**	**100.0%**	**-1.97 [-3.03, -0.91]**
Heterogeneity: Not applicable						
Test for overall effect: Z = 3.65 (P = 0.0003)