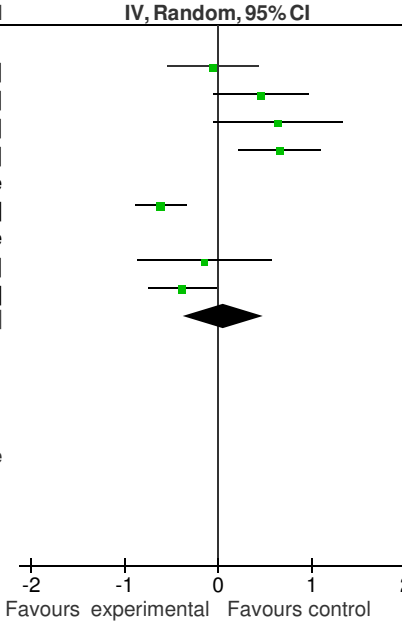
1 Education versus controls end of treatment

1.1 Pain

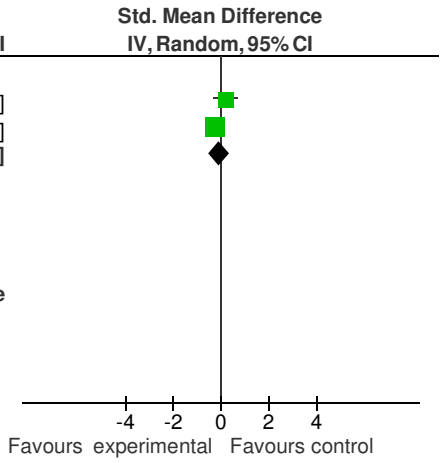
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.1.1 Mean								
Astin 2003 Edu	-40.8	18.7	33	-39.8	17.7	32	14.5%	-0.05 [-0.54, 0.43]
Burckhardt 1994 Psychoedu	5.9	2.2	27	4.8	2.5	35	14.2%	0.46 [-0.05, 0.97]
Fontaine 2007 Edu	6.1	2.6	18	4.6	1.9	16	12.1%	0.64 [-0.06, 1.33]
Fontaine 2010 Edu	62.4	24.5	38	46.3	24.2	46	15.0%	0.66 [0.21, 1.10]
King 2002 Edu	0	0	0	0	0	0		Not estimable
Luciano 2011	6.34	2.35	108	7.7	2.03	108	16.7%	-0.62 [-0.89, -0.34]
Rooks 2007 Edu	0	0	0	0	0	0		Not estimable
Van Oosterwijck 2013	45.8	25.8	15	49.2	20.2	15	11.8%	-0.14 [-0.86, 0.57]
Williams 2010 SM-Edu	4.3	1.6	59	4.9	1.5	59	15.8%	-0.38 [-0.75, -0.02]
Subtotal (95% CI)			**298**			**311**	**100.0%**	**0.05 [-0.37, 0.47]**
Heterogeneity: Tau² = 0.26; Chi² = 36.18, df = 6 (P < 0.00001); I² = 83%								
Test for overall effect: Z = 0.24 (P = 0.81)								
1.1.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



Test for subgroup differences: Not applicable

1.2 Sleep

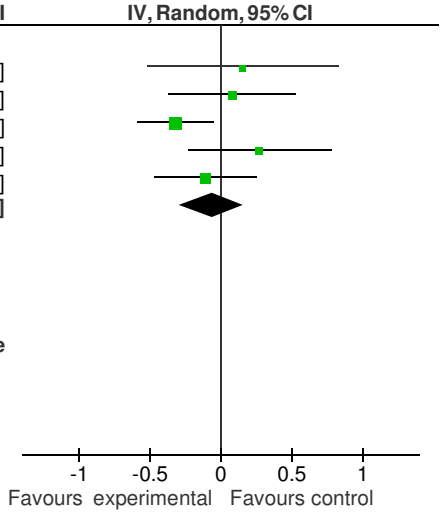
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.2.1 Mean								
Rooks 2007 Edu	6.9	1.9	27	6.4	2.8	35	42.5%	0.20 [-0.30, 0.70]
Williams 2010 SM-Edu	-51.1	16.5	59	-46.8	16.7	59	57.5%	-0.26 [-0.62, 0.11]
Subtotal (95% CI)			**86**			**94**	**100.0%**	**-0.06 [-0.51, 0.38]**
Heterogeneity: Tau² = 0.06; Chi² = 2.10, df = 1 (P = 0.15); I² = 52%								
Test for overall effect: Z = 0.28 (P = 0.78)								
1.2.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



Test for subgroup differences: Not applicable

1.3 Fatigue

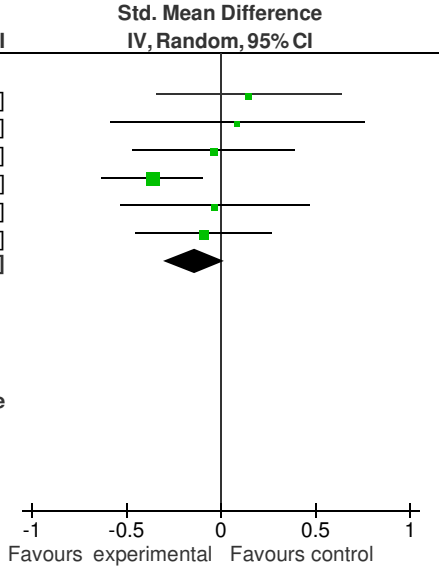
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.3.1 Mean								
Fontaine 2007 Edu	6.1	0.8	18	6	0.4	16	9.4%	0.15 [-0.52, 0.83]
Fontaine 2010 Edu	51.4	10.1	38	50.6	9.9	38	17.9%	0.08 [-0.37, 0.53]
Luciano 2011	7.06	2.41	108	7.8	2.17	108	33.5%	-0.32 [-0.59, -0.05]
Rooks 2007 Edu	7.2	1.7	27	6.6	2.5	35	15.1%	0.27 [-0.23, 0.78]
Williams 2010 SM-Edu	66.3	11	59	67.6	12.2	59	24.1%	-0.11 [-0.47, 0.25]
Subtotal (95% CI)			**250**			**256**	**100.0%**	**-0.07 [-0.29, 0.16]**
Heterogeneity: Tau² = 0.02; Chi² = 5.83, df = 4 (P = 0.21); I² = 31%								
Test for overall effect: Z = 0.57 (P = 0.57)								
1.3.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



Test for subgroup differences: Not applicable

1.4 Depression

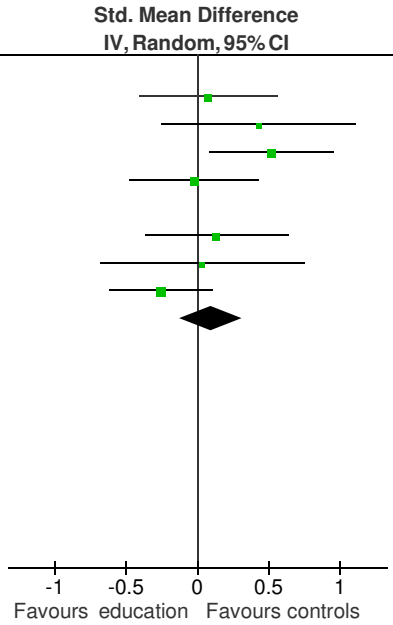
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.4.1 Mean								
Astin 2003 Edu	14.3	8.4	33	13.1	7.9	31	11.1%	0.15 [-0.35, 0.64]
Fontaine 2007 Edu	5.3	3.3	18	5	3.5	16	5.9%	0.09 [-0.59, 0.76]
Fontaine 2010 Edu	21.2	11.3	38	21.6	9.8	46	14.5%	-0.04 [-0.47, 0.39]
Luciano 2011	5.24	3.54	108	6.45	3.09	108	37.1%	-0.36 [-0.63, -0.09]
Rooks 2007 Edu	4.2	2.8	27	4.3	3	35	10.7%	-0.03 [-0.54, 0.47]
Williams 2010 SM-Edu	16.4	11.9	59	17.5	11.5	59	20.6%	-0.09 [-0.45, 0.27]
Subtotal (95% CI)			**283**			**295**	**100.0%**	**-0.14 [-0.31, 0.02]**
Heterogeneity: Tau² = 0.00; Chi² = 4.82, df = 5 (P = 0.44); I² = 0%								
Test for overall effect: Z = 1.70 (P = 0.09)								
1.4.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



Test for subgroup differences: Not applicable

1.5 Quality of life

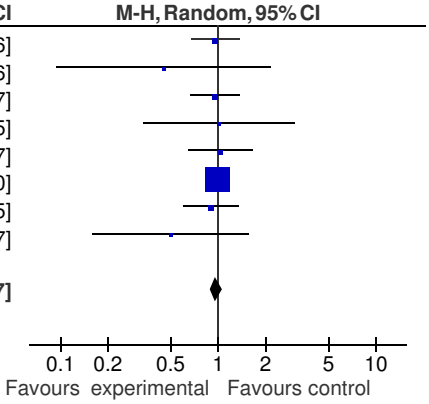
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
1.5.1 Mean								
Astin 2003 Edu	50.1	18.3	33	48.8	15.4	32	14.7%	0.08 [-0.41, 0.56]
Fontaine 2007 Edu	57.9	16.5	18	49.1	23.2	16	8.7%	0.43 [-0.25, 1.11]
Fontaine 2010 Edu	67	18.6	38	56.7	20.6	46	17.0%	0.52 [0.08, 0.95]
King 2002 Edu	54	14.8	41	54.3	12.6	34	16.1%	-0.02 [-0.48, 0.43]
Luciano 2011	0	0	0	0	0	0		Not estimable
Rooks 2007 Edu	44	15.2	27	40.2	35	35	14.0%	0.13 [-0.37, 0.64]
Van Oosterwijck 2013	-32.8	15.5	15	-33.3	14	15	8.0%	0.03 [-0.68, 0.75]
Williams 2010 SM-Edu	-41.1	8.7	59	-38.9	8.6	59	21.5%	-0.25 [-0.62, 0.11]
Subtotal (95% CI)			**231**			**237**	**100.0%**	**0.10 [-0.12, 0.32]**
Heterogeneity: Tau² = 0.02; Chi² = 8.35, df = 6 (P = 0.21); I² = 28%								
Test for overall effect: Z = 0.89 (P = 0.37)								
1.5.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



Test for subgroup differences: Not applicable

1.6 Drop out

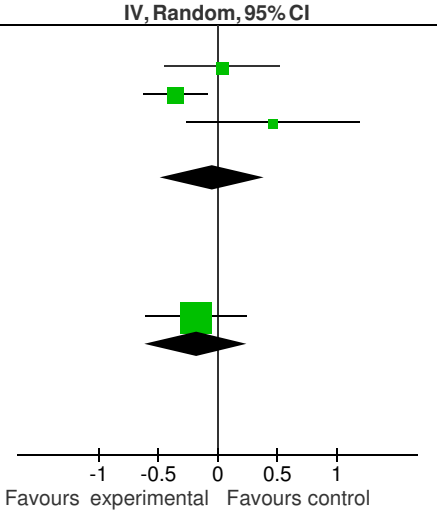
Study or Subgroup	Education Events	Total	Controls Events	Total	Weight	Risk Ratio M-H, Random, 95% CI
Astin 2003 Edu	30	63	32	64	7.0%	0.95 [0.67, 1.36]
Burckhardt 1994 Psychoedu	2	31	5	35	0.4%	0.45 [0.09, 2.16]
Fontaine 2007 Edu	18	26	16	22	6.8%	0.95 [0.66, 1.37]
Fontaine 2010 Edu	5	38	6	46	0.7%	1.01 [0.33, 3.05]
King 2002 Edu	20	41	16	34	4.0%	1.04 [0.64, 1.67]
Luciano 2011	92	108	93	108	74.9%	0.99 [0.89, 1.10]
Rooks 2007 Edu	23	50	26	51	5.5%	0.90 [0.60, 1.35]
Williams 2010 SM-Edu	4	59	8	59	0.7%	0.50 [0.16, 1.57]
Total (95% CI)		**416**		**419**	**100.0%**	**0.97 [0.89, 1.07]**
Total events	194		202			
Heterogeneity: Tau² = 0.00; Chi² = 3.01, df = 7 (P = 0.88); I² = 0%						
Test for overall effect: Z = 0.55 (P = 0.58)						



4 Education versus controls latest follow-up

4.1 Pain

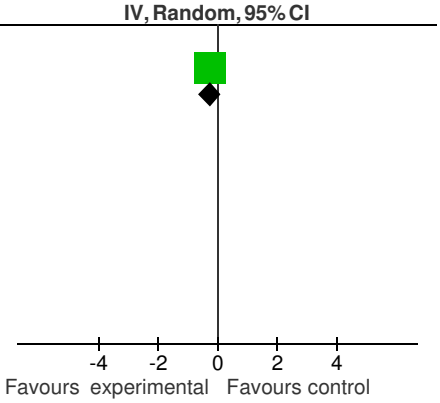
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
4.1.1 Mean								
Astin 2003 Edu	42.4	22.5	33	41.6	22.2	32	32.8%	0.04 [-0.45, 0.52]
Luciano 2011	6.82	2.34	108	7.6	2.08	108	45.3%	-0.35 [-0.62, -0.08]
Van Oosterwijck 2013	-42.5	19.9	15	-52.4	21.5	15	22.0%	0.46 [-0.26, 1.19]
Williams 2010 SM-Edu	0	0	0	0	0	0		Not estimable
Subtotal (95% CI)			**156**			**155**	**100.0%**	**-0.05 [-0.49, 0.40]**
Heterogeneity: Tau² = 0.09; Chi² = 5.32, df = 2 (P = 0.07); I² = 62%								
Test for overall effect: Z = 0.20 (P = 0.84)								
4.1.2 Mean change								
Lorig 2008 SM Edu	-0.9	2.5	40	-0.5	1.9	46	100.0%	-0.18 [-0.60, 0.24]
Subtotal (95% CI)			**40**			**46**	**100.0%**	**-0.18 [-0.60, 0.24]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.83 (P = 0.41)								



Test for subgroup differences: Chi² = 0.19, df = 1 (P = 0.67), I² = 0%

4.2 Sleep

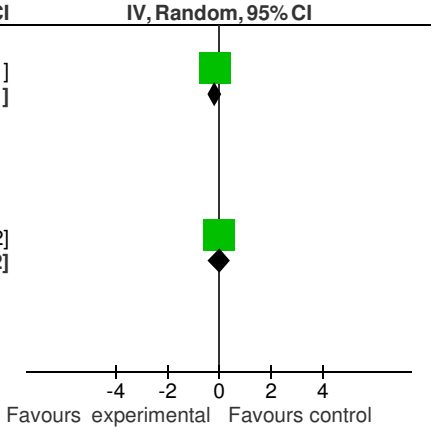
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
4.2.1 Mean								
Williams 2010 SM-Edu	-51.1	16.5	59	-46.8	16.7	59	100.0%	-0.26 [-0.62, 0.11]
Subtotal (95% CI)			**59**			**59**	**100.0%**	**-0.26 [-0.62, 0.11]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.39 (P = 0.16)								
4.2.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								



Test for subgroup differences: Not applicable

4.3 Fatigue

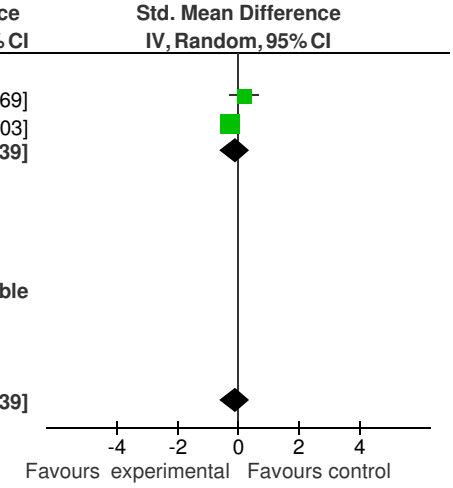
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
4.3.1 Mean								
Luciano 2011	7.28	2.2	108	7.62	2.1	108	100.0%	-0.16 [-0.42, 0.11]
Subtotal (95% CI)			**108**			**108**	**100.0%**	**-0.16 [-0.42, 0.11]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.16 (P = 0.25)								
4.3.2 Mean change								
Lorig 2008 SM Edu	-0.8	2.4	40	-0.8	1.6	46	100.0%	0.00 [-0.42, 0.42]
Subtotal (95% CI)			**40**			**46**	**100.0%**	**0.00 [-0.42, 0.42]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.00 (P = 1.00)								



Test for subgroup differences: Chi² = 0.38, df = 1 (P = 0.54), I² = 0%

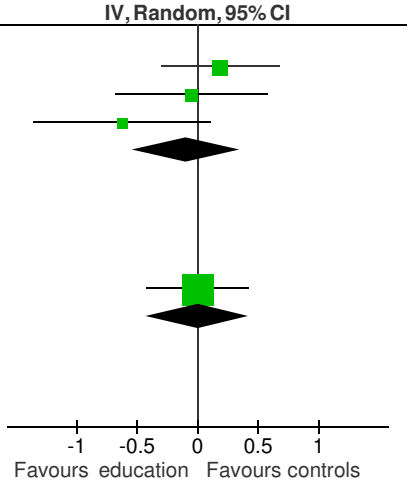
4.4 Depression

Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
4.4.1 Mean								
Astin 2003 Edu	14	9.2	33	12.3	7.6	31	41.1%	0.20 [-0.29, 0.69]
Luciano 2011	5.53	3.34	108	6.48	2.98	108	58.9%	-0.30 [-0.57, -0.03]
Subtotal (95% CI)			**141**			**139**	**100.0%**	**-0.09 [-0.57, 0.39]**
Heterogeneity: Tau² = 0.08; Chi² = 3.03, df = 1 (P = 0.08); I² = 67%								
Test for overall effect: Z = 0.39 (P = 0.70)								
4.4.2 Mean change								
Subtotal (95% CI)			**0**			**0**		**Not estimable**
Heterogeneity: Not applicable								
Test for overall effect: Not applicable								
Total (95% CI)			**141**			**139**	**100.0%**	**-0.09 [-0.57, 0.39]**
Heterogeneity: Tau² = 0.08; Chi² = 3.03, df = 1 (P = 0.08); I² = 67%								
Test for overall effect: Z = 0.39 (P = 0.70)								
Test for subgroup differences: Not applicable								



4.5 Quality of life

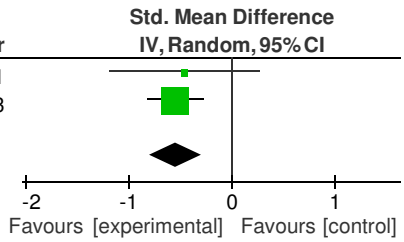
Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI
4.5.1 Mean								
Astin 2003 Edu	50	18.2	33	46.4	19.5	32	42.5%	0.19 [-0.30, 0.68]
King 2002 Edu	50.7	16.5	21	51.5	13.1	18	31.7%	-0.05 [-0.68, 0.58]
Van Oosterwijck 2013	-37.7	15.5	15	-28.6	12.8	15	25.8%	-0.62 [-1.36, 0.11]
Subtotal (95% CI)			**69**			**65**	**100.0%**	**-0.10 [-0.54, 0.35]**
Heterogeneity: Tau² = 0.06; Chi² = 3.25, df = 2 (P = 0.20); I² = 38%								
Test for overall effect: Z = 0.43 (P = 0.67)								
4.5.2 Mean change								
Lorig 2008 SM Edu	0	0.4	40	0	0.4	46	100.0%	0.00 [-0.42, 0.42]
Subtotal (95% CI)			**40**			**46**	**100.0%**	**0.00 [-0.42, 0.42]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 0.00 (P = 1.00)								

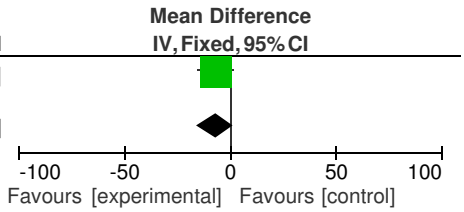


Test for subgroup differences: Chi² = 0.10, df = 1 (P = 0.76), I² = 0%

4.6 Funktionsevne

Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Std. Mean Difference IV, Random, 95% CI	Year
Luciano 2011	-53.7	21.8	15	-45.3	12.3	15	12.3%	-0.46 [-1.19, 0.26]	2011
Van Oosterwijck 2013	2.16	2.33	108	3.51	2.54	108	87.7%	-0.55 [-0.82, -0.28]	2013
Total (95% CI)			**123**			**123**	**100.0%**	**-0.54 [-0.80, -0.29]**	
Heterogeneity: Tau² = 0.00; Chi² = 0.05, df = 1 (P = 0.82); I² = 0%									
Test for overall effect: Z = 4.16 (P < 0.0001)									



4.7 Katastrofetænkning (PCS total)

Study or Subgroup	Education Mean	SD	Total	Controls Mean	SD	Total	Weight	Mean Difference IV, Fixed, 95% CI
Van Oosterwijck 2013	13.3	11.6	15	20.4	12.3	15	100.0%	-7.10 [-15.66, 1.46]
Total (95% CI)			**15**			**15**	**100.0%**	**-7.10 [-15.66, 1.46]**
Heterogeneity: Not applicable								
Test for overall effect: Z = 1.63 (P = 0.10)