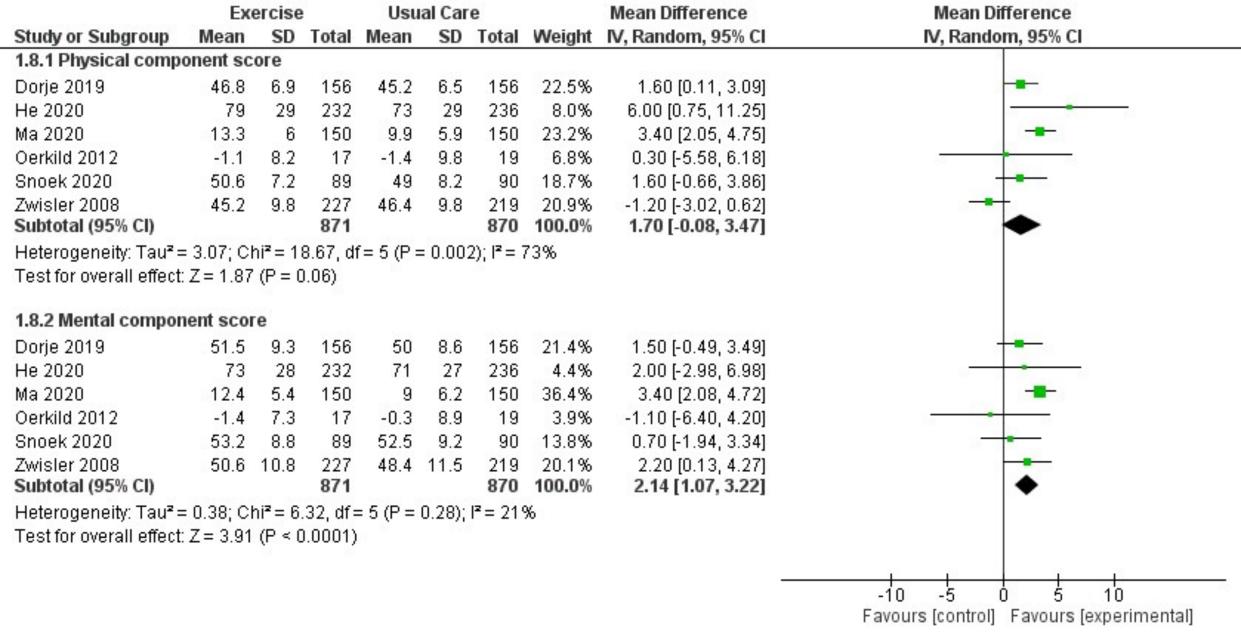


Study ID	RR (95% CI)	Events, Treatment	Events,	% Weight
Schuler 92	0.68 (0.12, 3.91)	2/56	3/57	1.22
Haskell 94	0.82 (0.41, 1.62)	13/145	17/155	7.97
Specchia 96	1.05 (0.07, 16.57)	1/125	1/131	0.49
DeBusk 94	0.75 (0.46, 1.24)	25/293	33/292	15.36
Stahle 99	3.79 (0.84, 17.02)	8/56	2/53	1.66
Hofman-Bang 99	0.81 (0.38, 1.71)	10/46	11/41	6.73
Manchanda 00	0.50 (0.05, 5.10)	1/21	2/21	0.69
Belardinelli 01	0.36 (0.12, 1.08)	4/59	11/59	3.18
Hambrecht 04	0.33 (0.09, 1.14)	3/51	9/50	2.41
Maroto 05	0.56 (0.19, 1.59)	5/90	9/90	3.37
Sandstrom 05	5.10 (0.25, 103.60)	2/50	0/51	0.41
Kovoor 06	1.22 (0.34, 4.34)	5/72	4/70	2.31
Back 08	2.32 (0.10, 53.42)	1/21	0/16	0.38
Zwisler 08	0.92 (0.61, 1.37)	38/227	40/219	23.02
West (RAMIT) 12	0.97 (0.68, 1.38)	53/483	55/484	29.62
Chaves 2019	0.17 (0.01, 3.91)	0/39	1/19	0.38
Chaves 2019	0.11 (0.01, 2.20)	0/37	2/20	0.42
Snoek 2020	0.34 (0.01, 8.16)	0/89	1/90	0.37
Overall (I-squared = 0.0%, p = 0.569)	0.84 (0.69, 1.02)	171/1960	201/1918	100.00
NOTE: Weights are from random effects analysis				
.00556 1	<b> </b> 180			

Study ID	RR (95% CI)	Events, Treatment	Events, Control	% Weight
Belardinelli 01	0.52 (0.28, 0.99)	11/59	21/59	4.01
Briffa 05	0.98 (0.59, 1.65)	19/57	19/56	5.39
Engblom 96	0.68 (0.45, 1.04)	26/102	34/91	6.97
Giallauria 08	0.44 (0.13, 1.55)	3/30	7/31	1.23
Hambrecht 04	0.14 (0.02, 1.10)	1/51	7/50	0.48
Haskell 94	0.92 (0.71, 1.19)	62/145	72/155	11.45
Hoffman-Bang 99	0.81 (0.51, 1.27)	19/46	21/41	6.39
Lewin 92	0.50 (0.25, 1.02)	9/58	18/58	3.33
Mutwalli 12	0.27 (0.10, 0.74)	4/28	11/21	1.88
Shaw (NEDHP) 81	0.98 (0.79, 1.21)	109/323	113/328	12.73
VHSG 03	0.79 (0.38, 1.66)	11/98	14/99	3.14
Yu 04	1.16 (0.69, 1.95)	34/132	16/72	5.36
Zwisler 08	0.98 (0.79, 1.21)	95/227	94/219	12.64
Reid 11	0.63 (0.18, 2.16)	4/115	6/108	1.26
Lear 15	0.47 (0.13, 1.66)	3/34	7/37	1.20
Hautala 17	0.29 (0.11, 0.77)	5/109	15/95	1.95
Santaularia 17	0.64 (0.26, 1.61)	6/41	10/44	2.17
Campo 20	0.57 (0.29, 1.10)	12/118	21/117	3.75
Chaves 19	0.12 (0.01, 1.02)	1/39	4/19	0.45
Chaves 19	0.41 (0.10, 1.64)	3/37	4/20	1.01
Bubnova 20	1.00 (0.40, 2.53)	8/78	8/78	2.13
Bubnova 20	0.92 (0.43, 1.95)	11/78	12/78	3.03
Prabhakaran 20	0.82 (0.56, 1.19)	48/1953	59/1968	8.04
Overall (I-squared = 32.1%, p = 0.071)	0.77 (0.67, 0.89)	504/3958	593/3844	100.00
NOTE: Weights are from random effects analysis				
.0146	68.5			

Study		Events,	Events,	%
ID	RR (95% CI)	Treatment	Control	Weight
Hambrecht 04	0.14 (0.02, 1.10)	1/51	7/50	1.33
Haskell 94	0.75 (0.46, 1.21)	23/145	33/155	19.37
Mutwalli 12	0.38 (0.11, 1.33)	3/28	6/21	3.43
VHSG 03	0.79 (0.38, 1.66)	11/98	14/99	9.38
Zwisler 08	0.98 (0.79, 1.21)	95/227	94/219	52.28
Reid 11	0.63 (0.18, 2.16)	4/115	6/108	3.58
Campo 20	0.66 (0.19, 2.28)	4/118	6/117	3.57
Snoek 20	1.39 (0.59, 3.29)	11/89	8/90	7.08
Overall (I-squared = 12.1%, p = 0.336)	0.85 (0.67, 1.08)	152/871	174/859	100.00
NOTE: Weights are from random effects analysis				
.0179 1 55	5.9			



Shud C-1		ercise			al Car		187-7-7	Mean Difference	Mean Difference
Study or Subgroup 1.9.1 Physical function	Mean oning	SD	Total	Mean	SD	Total	Weight	IV, Random, 95% CI	IV, Random, 95% CI
Belardinelli 2001	82		59	54	20	59	11.3%	28.00 [21.13, 34.87]	-
Briffa 2005 Hassan 2016	17.6 83.5	27.7 6.5	55 30	6.8 76.7	26.7 10.6	51 30	8.7% 13.1%	10.80 [0.44, 21.16] 6.80 [2.35, 11.25]	-
He 2020	85	22	232	74	19	236	13.5%	11.00 [7.27, 14.73]	+
Maddison 2014 Wang 2012	52.9 80.8	5.2 13.7	75 68	51.9 73.2	5.2 13	78 65	14.5% 13.0%	1.00 [-0.65, 2.65] 7.60 [3.06, 12.14]	-
West 2012	65	29	795	64	30	811	14.0%	1.00 [-1.89, 3.89]	<u>†</u> _
Yu 2003 Subtotal (95% CI)	88	12	72 <b>1386</b>	82	17	40 <b>1370</b>	12.0% <b>100.0</b> %	6.00 [0.05, 11.95] <b>8.47 [3.69, 13.24]</b>	•
Heterogeneity: Tau² =	65%			lf=7 (P	< 0.00	0001); I	²= 92%		
Test for overall effect:	Z= 3.47	(P=L	J.UUU5)						
1.9.2 Physical perform			50	50	4.4	50	10.50	40.00 140.75 20.051	_
Belardinelli 2001 Briffa 2005	76 100	9 74.1	59 55	58 75	14 55.6	59 51	16.5% 3.5%	18.00 [13.75, 22.25] 25.00 [0.17, 49.83]	<u> </u>
Hassan 2016	62.5		30	50.8	20.2	30	10.1%	11.70 [0.64, 22.76]	
He 2020 Maddison 2014	80 52.6	21 6.6	232 75	77 50.8	22 6.6	236 78	16.8% 18.0%	3.00 [-0.90, 6.90] 1.80 [-0.29, 3.89]	
Wang 2012		17.3	68	56.2	46.8	65	9.2%	12.00 [-0.10, 24.10]	-
West 2012 Yu 2003	69 75	31 33	795 72	67 66	33 35	811 40	17.4% 8.4%	2.00 [-1.13, 5.13] 9.00 [-4.26, 22.26]	<del>[-</del>
Subtotal (95% CI) Heterogeneity: Tau <sup>2</sup> =	. 27.02.	Obiz —	1386	16 – 7 ∕⊓	- 0.00		100.0%	8.08 [2.89, 13.27]	•
Test for overall effect:	25 / G			n = 7 (P	< 0.00	,001),1	-= 8770		
1.9.3 Bodily pain									
Belardinelli 2001	4	9	59	32	12	59	13.1%	-28.00 [-31.83, -24.17]	+
Briffa 2005		25.9	55	20.9	32	51	11.1%	9.30 [-1.83, 20.43]	<u>-</u>
Hassan 2016 He 2020	79.6 71	18.4 32	30 232	67.9 68	30	30 236	11.9% 12.8%	11.70 [3.00, 20.40] 3.00 [-2.62, 8.62]	<del> -</del>
Maddison 2014	52.4	8.2 17.3	75 68	51.9 63.5	8.2 14.6	78 65	13.3% 12.8%	0.50 [-2.10, 3.10]	<u> </u>
Wang 2012 West 2012	69	28	795	68	29	811	13.3%	4.70 [-0.73, 10.13] 1.00 [-1.79, 3.79]	+
Yu 2003 Subtotal (95% CI)	80	25	72 <b>1386</b>	80	25	40 1370	11.6% 100.0%	0.00 [-9.66, 9.66] - <b>0.06 [-8.97, 8.84]</b>	<b>±</b>
Heterogeneity: Tau <sup>2</sup> =	: 153.26	; Chi²=		a, df = 7	(P < 0				T
Test for overall effect:	Z = 0.01	I(P=0)	0.99)						
1.9.4 General health									
Belardinelli 2001	70		59	50	18	59 51	11.6%	20.00 [14.18, 25.82]	_ +
Briffa 2005 Hassan 2016	43	14.8 7.9	55 30	2.2 38.5	16 8.8	51 30	11.5% 13.5%	0.50 [-5.38, 6.38] 4.50 [0.27, 8.73]	-
He 2020	79	23	232	72	19	236	14.0%	7.00 [3.17, 10.83]	+
Maddison 2014 Wang 2012	55.3 57.4	6.3 20.3	75 68	53.2 49	6.3 16.2	78 65	15.9% 11.1%	2.10 [0.10, 4.10] 8.40 [2.17, 14.63]	-
West 2012	58	25	795	57	25	811	15.5%	1.00 [-1.45, 3.45]	<u> </u>
Yu 2003 Subtotal (95% CI)	64	26	72 <b>1386</b>	60	28	40 <b>1370</b>	6.8% <b>100.0</b> %	4.00 [-6.55, 14.55] <b>5.66 [2.08, 9.25]</b>	•
Heterogeneity: Tau <sup>2</sup> =				f=7 (P	< 0.00	0001); I	<sup>2</sup> = 84%		
Test for overall effect:	Z= 3.10	) (P = t	1.002)						
1.9.5 Vitality	44.0	22.2	55	6.0	40.0	E4	40.00	5 00 1 2 00 4 2 001	
Briffa 2005 Hassan 2016	66	22.2 11.1	55 30	57.7	19.6 11.7	51 30	10.6% 13.4%	5.00 [-2.96, 12.96] 8.30 [2.53, 14.07]	-
He 2020	81 55.7	17 6.2	232	73 55.9	25	236	16.0% 18.1%	8.00 [4.13, 11.87]	<b></b>
Maddison 2014 Wang 2012		17.3	75 68		6.2 21.7	78 65	12.1%	-0.20 [-2.17, 1.77] 9.90 [3.21, 16.59]	<del></del>
West 2012	65 70	24	795	65 65	24	811	17.7%	0.00 [-2.35, 2.35]	† <u> </u>
Yu 2003 Subtotal (95% CI)	79	18	72 <b>1327</b>	65	17	40 <b>1311</b>	12.1% <b>100.0</b> %	14.00 [7.29, 20.71] <b>5.78 [1.89, 9.67]</b>	<b>♦</b>
Heterogeneity: Tau <sup>2</sup> =				f=6 (P	< 0.00	0001); I	²= 85%		
Test for overall effect:	Z = 2.91	I (P = t	1.004)						
1.9.6 Social functioni		11	50	60	12	50	1260	0.00 ( 4.15   4.15)	<u> </u>
Belardinelli 2001 Briffa 2005	68 23.6	11 35.1	59 55	68 16.4	12 24.9	59 51	13.6% 2.2%	0.00 [-4.15, 4.15] 7.20 [-4.32, 18.72]	1
Hassan 2016	67.5	19	30		16.3	30	3.5%	11.20 [2.24, 20.16]	
He 2020 Maddison 2014	75 53.3	22 6.9	232 75	74 52.4	19 6.9	236 78	16.1% 32.0%	1.00 [-2.73, 4.73] 0.90 [-1.29, 3.09]	<b>-</b>
Wang 2012		21.4	68	65.8	18	65	6.0%	5.50 [-1.21, 12.21]	<u> </u>
West 2012 Yu 2003	81 89	28 27	795 72	79 82	29 28	811 40	24.2% 2.5%	2.00 [-0.79, 4.79] 7.00 [-3.69, 17.69]	<del>[-</del>
Subtotal (95% CI)	4.46.0	b:7 − 0	1386	7 (D =	0.071		100.0%	1.98 [0.26, 3.70]	•
Heterogeneity: Tau² = Test for overall effect:				7 (F =	0.27),	r = 20°	70		
1.9.7 Emotional perfo		188	188						
Briffa 2005		49.6	55	33.6	49.6	51	1.1%	-0.30 [-19.20, 18.60]	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Hassan 2016 He 2020	61.1 65		30	49.9		30	3.3%	11.20 [0.39, 22.01]	
Maddison 2014	65 51.4	34 6.9	232 75	65 51.6	33 6.9	236 78	9.7% 41.8%	0.00 [-6.07, 6.07] -0.20 [-2.39, 1.99]	•
Wang 2012	80.8 85	37.9 23	68 795	75.9 85		65 911	2.3%	4.90 [-8.30, 18.10]	1
West 2012 Yu 2003	93 93	23 18	795 72	85 83	25 35	811 40	38.8% 2.9%	0.00 [-2.35, 2.35] 10.00 [-1.62, 21.62]	<del>-</del>
Subtotal (95% CI) Heterogeneity: Tau² =	1 20-0	hi² – 7	1327 32 df=	6/P-	ሀ ኃርሎ		100.0%	0.69 [-1.33, 2.71]	<b>†</b>
Test for overall effect:				0 (F =	0.29),	. – Iŏʻ	N		
1.9.8 Mental health									
Belardinelli 2001	70		59	45	15	59	12.0%	25.00 [19.76, 30.24]	-
Briffa 2005 Hassan 2016	3.6 69.5	18.5 2.6	55 30	3.9 61.5	14.2 7.5	51 30	11.1% 13.6%	-0.30 [-6.55, 5.95] 8.00 [5.16, 10.84]	†₊
He 2020	72	23	232	71	23	236	12.7%	1.00 [-3.17, 5.17]	+
Maddison 2014 Wang 2012	54.6 73.5	6.5 17.1	75 68	54 65.4	6.5 20.7	78 65	14.0% 11.0%	0.60 [-1.46, 2.66] 8.10 [1.63, 14.57]	<u> </u>
West 2012	76	13	795	76	13	811	14.2%	0.00 [-1.27, 1.27]	1
Yu 2003 Subtotal (95% CI)	84	16	72 <b>1386</b>	80	15	40 <b>1370</b>	11.4% 100.0%	4.00 [-1.94, 9.94] <b>5.60 [1.21, 9.98]</b>	<b>†</b>
Heterogeneity: Tau² =			107.11,	df= 7 (	P < 0.0			5.55 [ 1.2 1, 3.30]	_
Test for overall effect:	Z = 2.50	) (P = 0	0.01)						
									-100 -50 0 50 100
									Favours [control] Favours [experimental]

