

Table S1 Efficiency analyses, mixed effects models, intention-to-treat: The main models that were tested for each factor, taking non-significant factors out of the model until the best fit models in bold.

Symptoms	Model 1				Model 2				Model 3			
	Effects	Estimate (SE)	95%CI	p	Effects	Estimate (SE)	95%CI	p	Effects	Estimate (SE)	95%CI	p
Overall	Baseline	36.32 (1.82)	32.75,39.89		Baseline	36.32 (1.82)	32.76, 39.89					
	Time post-intervention	-3.15 (1.87)	-6.82, 0.52	0.093	Time post-intervention (both groups)	-3.29 (1.39)	-6.01, -0.58	0.018				
	Time follow-up	-3.86 (2.07)	-7.91, 0.20	0.062	Time follow-up	-4.16 (1.52)	-7.14, -1.18	0.006				
	Groupxtime post-intervention	-0.30 (2.61)	-5.42, 4.82	0.909	-							
	Groupxtime follow-up	-0.62 (2.90)	-6.29, 5.05	0.831	-							
Positive factor [†]	Baseline	5.64 (0.45)	4.76, 6.52		Baseline	5.64 (0.45)	4.76, 6.52					
	Time post-intervention	-0.80 (0.47)	-1.72, 0.12	0.088	Time post-intervention (both groups)	-0.51 (0.35)	-1.20, 0.19	0.153				
	Time follow-up	-1.05 (0.53)	-2.08, -0.02	0.046	Time follow-up (both groups) (both groups)	-1.09 (0.39)	-1.85, -0.34	0.005				
	Groupxtime post-intervention	0.63 (0.66)	-0.67, 1.93	0.340	-							
	Groupxtime follow-up	-0.07 (0.73)	-1.50, 1.36	0.925	-							
Negative factor	Baseline	9.31 (0.75)	7.84, 10.78		Baseline	9.30 (0.75)	7.84- 10.77					
	Time post-intervention	0.11 (0.72)	-1.53, 1.31	0.877	Time post-intervention (both groups)	-0.49 (0.54)	-1.55- 0.57	0.365				
	Time follow-up	-0.07 (0.80)	-1.63, 1.50	0.931	Time follow-up (both groups)	-0.37 (0.59)	-1.53- 0.79	0.532	Baseline, post-intervention & follow-up (stable scores in both groups)	9.05 (0.70)	7.68,10.43	
	Groupxtime post-intervention	-0.80 (1.02)	-2.79, 1.21	0.437	-							
	Groupxtime follow-up	-0.63 (1.13)	-2.85, 1.58	0.576	-							

VO _{2max} [†]	Baseline	29.74 (1.18)	27.42,32.05	Baseline	29.74 (1.17)	27.45,32.03	Baseline & post-intervention	29.91 (1.16)	27.64,32.19		
	Time post-intervention	-0.32 (0.70)	-1.69, 1.06	0.652							
	Time follow-up	0.54 (0.80)	-1.03, 2.12	0.501							
	Groupxtime post-intervention	1.22 (1.02)	-0.79, 3.22	0.233	Groupxtime post-intervention	0.90 (0.76)				-0.59, 2.39	0.235
	Groupxtime follow-up	-2.50 (-1.13)	-4.72, -0.27	0.028	Groupxtime follow-up	-1.96 (0.82)				-3.55,-0.36	0.016
											Groupxtime follow-up

Note. Estimate= Estimated coefficient. SE= Standard error. Baseline was accepted as equal for both groups .Time (baseline=0, post-intervention=1, follow-up=2). Group (AVG=0/ HIIT=1). Group x time post-intervention (time=1, group=HIIT), group x time follow-up (time=2/ group=HIIT)

Non-significant variables were taken out of the model, and the models were compared by using Likelihood ratio test or AIC as suited, until reaching the best fit model for each variable.

Overall symptoms (total PANSS): Model 1 vs model 2, likelihood ratio test $p=0.98$

[†]Five factor model of PANSS (Wallwork)

Positive factor: Model 1 vs model 2 likelihood ratio test $p=0.56$

Negative factor: Model 1 vs model 2 likelihood ratio test $p=0.72$, model 2 vs model 3 likelihood ratio test $p=0.65$

Disorganized factor: Model 1 vs model 2 likelihood ratio test $p=0.80$, model 2 vs model 3 likelihood ratio test $p=0.85$

Expressed factor: Model 1 vs model 2 likelihood ratio test $p=0.38$, model 2 vs model 3 likelihood ratio test $p=0.15$

Depressed factor: Model 1 vs model 2 likelihood ratio test $p=0.86$, model 2 AIC=940 vs model 3 AIC=938.

[‡] post-intervention and follow up were merged into a single time point (time after baseline) as no changes were detected in either group between these two time points

[§]CDSS: Calgary Depressive Scale for Schizophrenia

[†]VO_{2max}: Maximum oxygen uptake