

Supplementary Material

Figure S1. Prefrontal cortex based on the Sallet Atlas (Sallet et al. 2013).

Figure S2. Neuronavigated coordinates overlapping Brodmann areas 9/46D and 9/46V.

Figure S3. Flowchart.

Table S1. Demographic and baseline measures.



Figure S1. Prefrontal cortex based on the Sallet Atlas (Sallet et al. 2013). Seven dorsolateral prefrontal cortex sub-regions used in our analyses, corresponding to: brodmann area (BA) 9, BA 10, BA 9/46D and BA 9/46V, BA 46, BA 8A and BA 8B.



Figure S2. Neuronavigated coordinates overlapping Brodmann areas 9/46D and 9/46V.

Neuronavigated coordinates were based on the MNI152 stereotaxic atlas (coordinates, -38, +44, +26 and +38, +44, +26). Note: The circular areas correspond to the left and right MNI coordinates (targeted DLPFC), while the light gray corresponds to the BA 9/46V region and the dark gray corresponds to the BA 9/46D region.

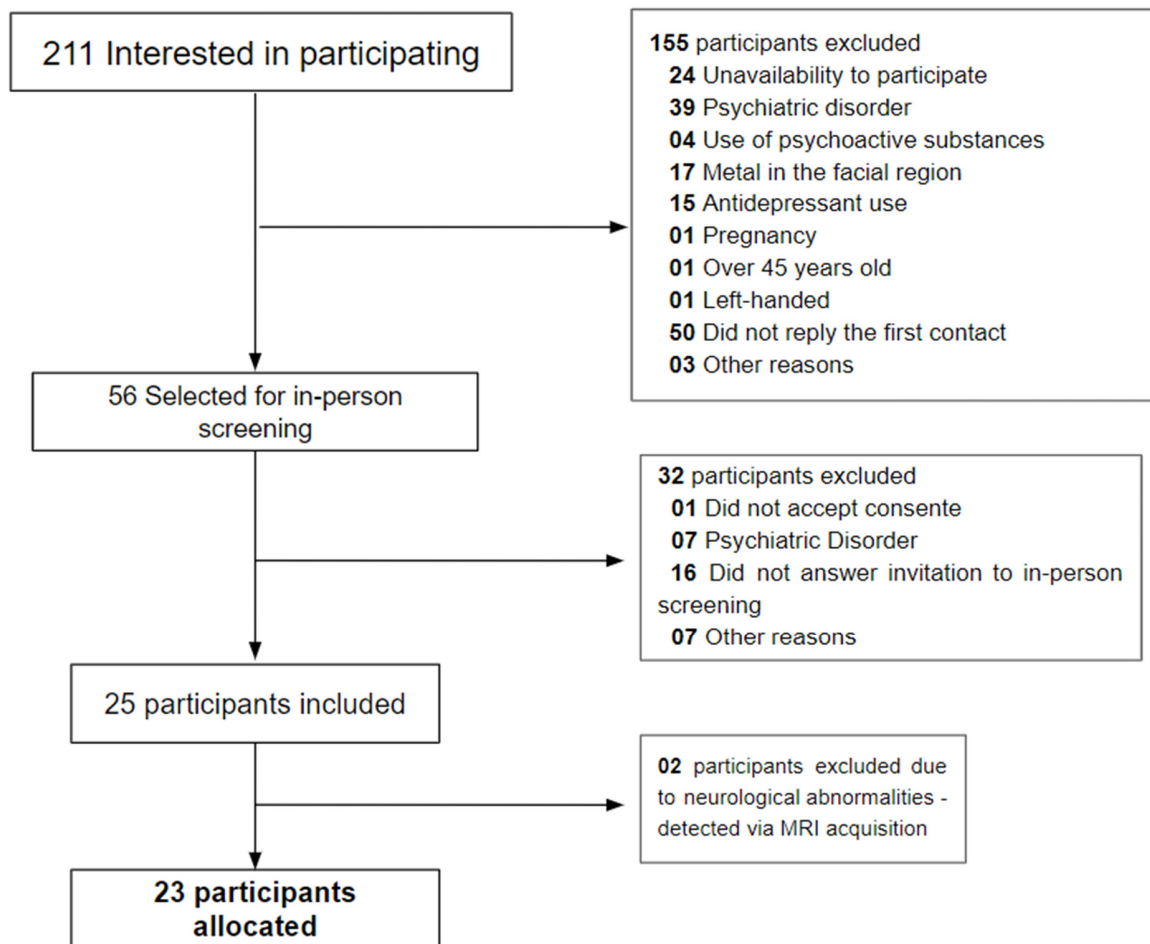


Figure S3. Flowchart.

Table S1. Demographic and baseline measures.

Right sACC			
Predictors	Estimates	95% CI	p
iTBS	-9.15	-21.65 – 3.34	0.149
tDCS	-7.68	-20.46 – 5.09	0.235
sex	8.63	-14.02 – 31.28	0.45
age	-0.24	-1.69 – 1.22	0.748
HDRS	2.51	-1.78 – 6.80	0.248
PA	-0.04	-1.14 – 1.07	0.948
NA	-0.35	-2.21 – 1.50	0.706
<i>iTBS*tDCS</i>	19.82	2.23 – 37.41	0.028

Left sACC			
Predictors	Estimates	95% CI	p
iTBS	0.66	-0.89 – 2.20	0.4
tDCS	-0.03	-1.54 – 1.48	0.971
sex	1.27	-1.13 – 3.67	0.294
age	0	-0.15 – 0.15	0.996
HDRS	0.21	-0.30 – 0.72	0.41
PA	0.08	-0.05 – 0.21	0.236
NA	-0.1	-0.32 – 0.11	0.353
iTBS*tDCS	-0.48	-2.61 – 1.65	0.656

Right ROI 9/46V, 9/46D			
Predictors	Estimates	95% CI	p
iTBS	1.85	-21.75 – 25.46	0.876
tDCS	15.86	-7.27 – 38.98	0.176
sex	-16.47	-54.35 – 21.40	0.389
age	-3.06	-5.49 – -0.62	0.014
HDRS	-0.43	-8.28 – 7.42	0.913
PA	0.45	-1.54 – 2.44	0.651
NA	-1.71	-5.04 – 1.62	0.31
iTBS*tDCS	-3.41	-35.95 – 29.13	0.835

Left sACC			
Predictors	Estimates	95% CI	p
iTBS	0.66	-0.89 – 2.20	0.4
tDCS	-0.03	-1.54 – 1.48	0.971
sex	1.27	-1.13 – 3.67	0.294
age	0	-0.15 – 0.15	0.996
HDRS	0.21	-0.30 – 0.72	0.41
PA	0.08	-0.05 – 0.21	0.236
NA	-0.1	-0.32 – 0.11	0.353
iTBS*tDCS	-0.48	-2.61 – 1.65	0.656

*: interaction between iTBS and tDCS

Reference

1. Sallet, J.; Mars, R.; Noonan, M.P.; Neubert, F.-X.; Jbabdi, S.; O'Reilly, J.; Filippini, N.; Thomas, A.; Rushworth, M. The Organization of Dorsal Frontal Cortex in Humans and Macaques. *J. Neurosci.* **2013**, *33*, 12255–12274. <https://doi.org/10.1523/jneurosci.5108-12.2013>.