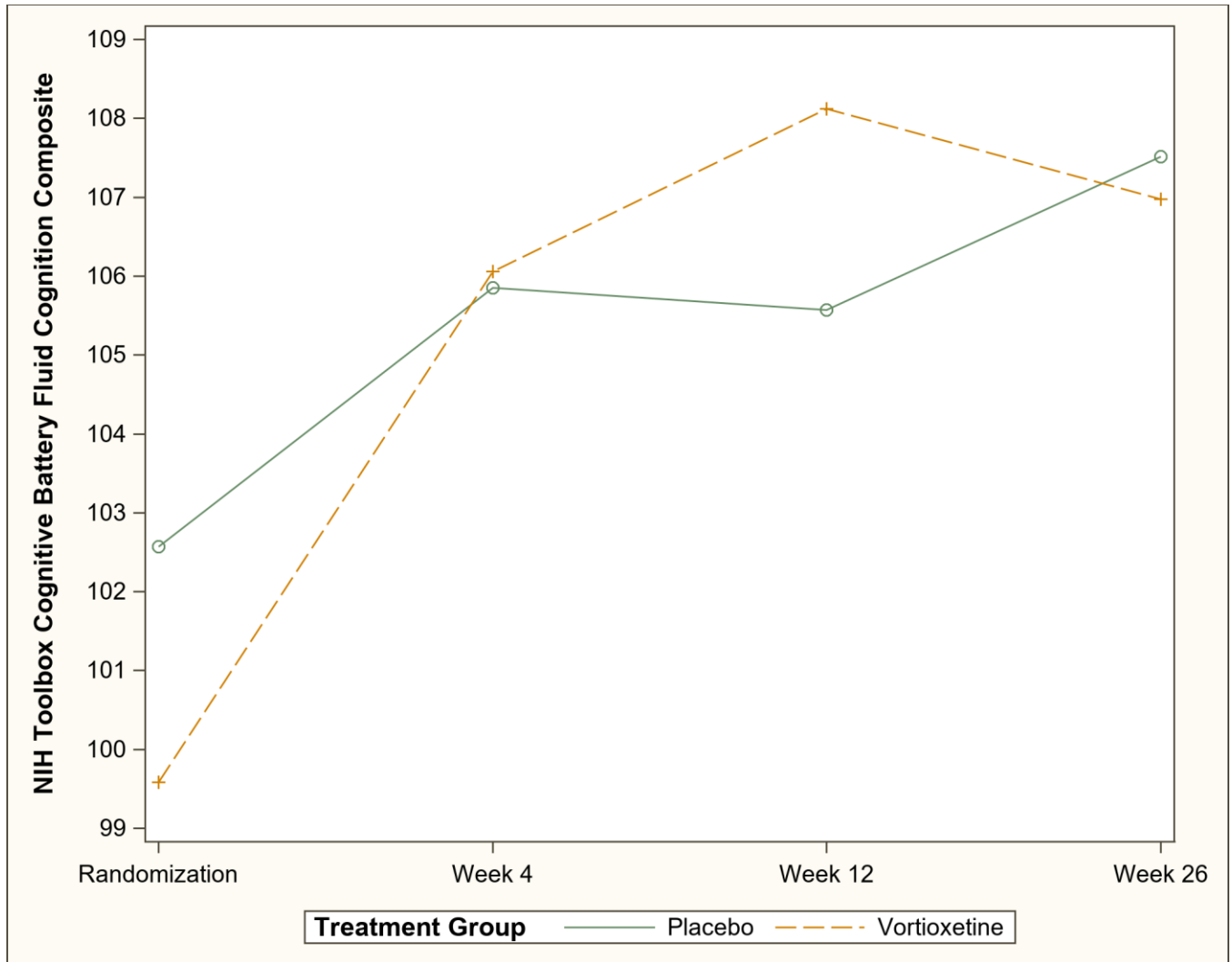


**FIGURE S1. Changes in cognitive function, as measured by the NIH Toolbox Cognition Battery, in the 2 groups**



**TABLE S1. Components of NIH Toolbox Fluid Cognition Composite.** The table shows the difference in the mean change from baseline between vortioxetine and placebo groups. A positive estimate: greater increase in vortioxetine compared to placebo group.

<i>Change from baseline</i>	<b>Estimate</b>	<b>SE</b>	<b>t</b>	<b>p</b>
Dimensional Change Card Sort				
to Week 4	2.04	2.06	0.99	0.32
to Week 12	4.40	2.10	2.09	0.037
to Week 26	2.84	2.17	1.31	0.19
Flanker Inhibitory Control and Attention				
to Week 4	0.89	1.36	0.66	0.51
to Week 12	-0.60	1.39	-0.43	0.67
to Week 26	-0.55	1.43	-0.39	0.70
List Sorting Working Memory				
to Week 4	1.28	2.52	0.51	0.61
to Week 12	3.64	2.56	1.42	0.16
to Week 26	-0.38	2.64	-0.14	0.89
Picture Sequence Memory				
to Week 4	2.17	2.89	0.75	0.45
to Week 12	4.29	2.95	1.46	0.15
to Week 26	-0.77	3.04	-0.25	0.80
Pattern Comparison Processing Speed				
to Week 4	2.26	2.46	0.92	0.36
to Week 12	2.86	2.51	1.14	0.25
to Week 26	4.16	2.58	1.61	0.11

**FIGURE S2. Adherence to the cognitive training per week in the 26 randomized study, by group (vortioxetine vs. placebo).** The figure displays the distribution of participants with high adherence (green bar;  $\geq 100\%$  goal in terms of minutes cognitive training/week), medium adherence (red bar; 80-100%), and low adherence (blue bar;  $<80\%$ ). Adherence remained high in both groups over the 26 weeks.

