

Supplementary Information – Correlation results information processing speed

Table 6 | Correlation between information processing speed and whole brain relative spectral powers and peak frequency (before and after FDR-correction)

Cognitive subdomain	Relative power measure	β	p-value	FDR
<i>Information processing speed</i>	Peak	0.013	0.889	0.987
	Delta (0.5-4Hz)	0.055	0.555	0.634
	Theta (4-8 Hz)	-0.133	0.154	0.246
	Alpha 1 (8-10Hz)	-0.143	0.134	0.179
	Alpha 2 (10-13Hz)	0.163	0.090	0.72
	Beta (13-30Hz)	0.036	0.692	0.790
	Gamma (30-48Hz)	0.089	0.344	0.459

Table 6 | Standardized coefficients, corrected for age, gender and education. In bold the resultant p-values after FDR-correction, correcting for six frequency bands plus peak-frequency times eight cognitive domains.

Figure 5 | Correlation between global relative alpha1 and theta power (averaged over 78 cortical ROIs) and information processing speed

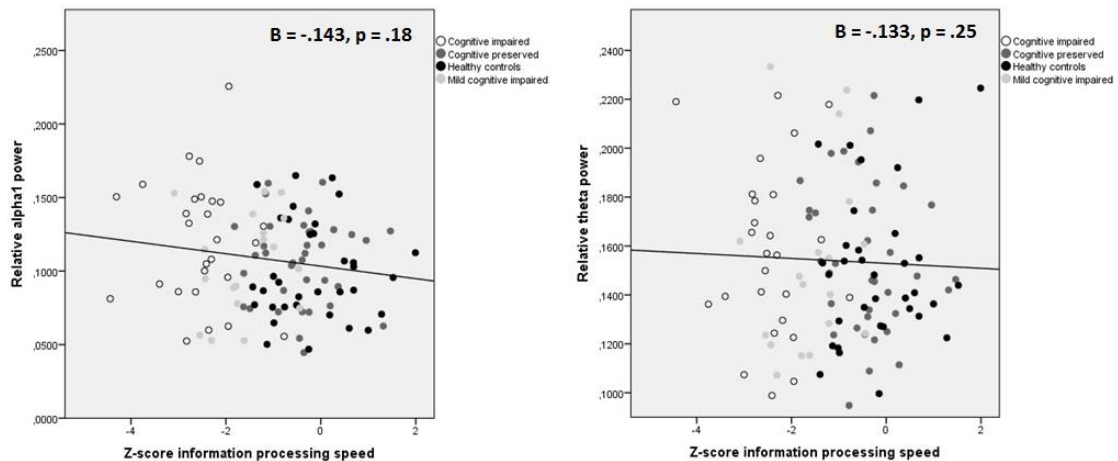


Figure 5 | β = standardized coefficient, corrected for age, gender and education. P-value is corrected for multiple comparisons, correcting for six frequency bands plus peak-frequency times eight cognitive domains.