

Supplement 4.

Univariate regression analyses on associations between aspects of brain structure and neurocognitive functioning

Outcome variable	Predictors retained in the model	Statistics		
		B (SE)	β	P
eFSIQ	Nucleus Accumbens volume (cm ³)	.00 (.00)	.085	.691
	FA within the cluster of CKD-affected white matter tracts associated with eFSIQ	562.16 (84.61)	.823	<.001
	MD within the cluster of CKD-affected white matter tracts associated with eFSIQ (10 ⁻⁵ mm ² /s)	-.41175.51 (169798.84)	-.053	.811
Processing Speed & Working Memory	Nucleus Accumbens volume (cm ³)	.00 (.00)	.090	.675
	FA within the cluster of CKD-affected white matter tracts associated with eFSIQ	12.43 (6.77)	.372	.080
	MD within the cluster of CKD-affected white matter tracts associated with eFSIQ (10 ⁻⁵ mm ² /s)	-5664.24 (8230.35)	-.149	.499

Note. Abbreviations: CKD = Chronic kidney disease; eFSIQ = Estimation of age-standardized full-scale Intelligence Quotient; FA = fractional anisotropy; MD = mean diffusivity; SE = Standard Error.