

Metabolic syndrome and cognitive deficits in the Greek cohort of Epirus Health Study, Neurological Sciences, Koutsonida M, Koskeridis F, Markozannes G, Kanellopoulou A, Mousas A, Ntotsikas E, Ioannidis P, Aretouli E and Tsilidis KK; Department of Epidemiology and Biostatistics, School of Public Health, Imperial College London, London, United Kingdom, k.tsilidis@imperial.ac.uk (KKT)

Online Resource 9. Associations between presence of individual components of metabolic syndrome based on International Diabetes Federation (IDF) criteria and scores of paper-based neuropsychological tests (N=2,077).

	Model 1 ^a		Model 2 ^b	
	Beta	95% CI	Beta	95% CI
Abdominal obesity				
<u>Trail Making Test</u>				
Part A	0.420	-0.70, 1.54	0.462	-0.67, 1.59
Part B	-0.808	-2.59, 0.97	-0.824	-2.63, 0.98
<u>Verbal Fluency</u>				
Semantic	-0.120	-0.69, 0.45	0.053	-0.52, 0.63
Phonemic	-0.236	-0.59, 0.12	-0.183	-0.54, 0.17
<u>Logical Memory</u>				
Immediate recall	0.164	-0.29, 0.62	0.220	-0.24, 0.68
Delayed recall	-0.137	-0.37, 0.10	-0.106	-0.34, 0.13
Elevated triglycerides				
<u>Trail Making Test</u>				
Part A	1.187	-0.05, 2.43	1.183	-0.06, 2.43
Part B	0.720	-1.27, 2.71	0.729	-1.27, 2.73
<u>Verbal Fluency</u>				
Semantic	-0.213	-0.86, 0.43	-0.103	-0.75, 0.54
Phonemic	0.053	-0.35, 0.45	0.091	-0.31, 0.49
<u>Logical Memory</u>				
Immediate recall	-0.473	-0.97, 0.03	-0.425	-0.93, 0.08
Delayed recall	-0.138	-0.40, 0.12	-0.110	-0.37, 0.15
Low HDL cholesterol				
<u>Trail Making Test</u>				
Part A	0.909	-0.19, 2.01	0.876	-0.23, 1.99
Part B	0.960	-0.79, 2.71	0.891	-0.88, 2.66
<u>Verbal Fluency</u>				
Semantic	-0.618*	-1.18, -0.06	-0.491	-1.06, 0.08
Phonemic	-0.167	-0.52, 0.18	-0.097	-0.45, 0.25
<u>Logical Memory</u>				
Immediate recall	-0.436	-0.88, 0.01	-0.366	-0.81, 0.08
Delayed recall	-0.264*	-0.49, -0.03	-0.229	-0.46, 0.00
High blood pressure				
<u>Trail Making Test</u>				
Part A	0.485	-0.72, 1.69	0.487	-0.72, 1.70
Part B	-0.387	-2.31, 1.54	-0.435	-2.36, 1.49

<u>Verbal Fluency</u>				
Semantic	-0.201	-0.82, 0.42	-0.119	-0.74, 0.50
Phonemic	-0.105	-0.49, 0.28	-0.056	-0.44, 0.33
<u>Logical Memory</u>				
Immediate recall	-0.162	-0.65, 0.32	-0.119	-0.61, 0.37
Delayed recall	-0.177	-0.43, 0.08	-0.150	-0.40, 0.10
Elevated fasting glucose				
<u>Trail Making Test</u>				
Part A	1.657	0.10, 3.42	1.600	-0.17, 3.37
Part B	0.814	-2.00, 3.63	0.809	-2.03, 3.65
<u>Verbal Fluency</u>				
Semantic	0.599	-0.31, 1.51	0.761	-0.15, 1.68
Phonemic	-0.062	-0.63, 0.50	0.009	-0.56, 0.58
<u>Logical Memory</u>				
Immediate recall	-0.903*	-1.61, -0.20	-0.865*	-1.58, -0.16
Delayed recall	-0.272	-0.64, 0.10	-0.234	-0.60, 0.14

Abbreviation: CI, confidence interval.

* significant at $p < 0.05$

^a Adjusted for age (continuous), sex, education (primary and secondary school, high school, higher education). ^b Adjusted for age (continuous), sex, education (primary and secondary school, high school, higher education), cardiovascular disease (absence or presence of stroke or ischemic heart disease or heart failure or other heart disease diagnosis), alcohol consumption (never, less than once/month, 1-3 times/month, 1-2 times/week, almost every day) and physical activity (continuous).