Table 5: Linear regression models in which the cognitive scores (VLMT and NAI) are the outcomes and WBC, fibrinogen, hs-CRP and antiinflammatory medication are predictors one at a time

Cohort	Outcome	WBC	hs-CRP[a]	Fibrinogen[b]	Anti-inflammatory medication	R^2 range for the models per outcome
SHIP-2[&] (n= 661)	VLMT	-0.371 [0.668] (0.810)	-	-0.769 [0.845] (0.635)	0.114 [0.472] (0.900)	[0.208 - 0.209]
SHIP-Trend[&] (n= 1543)	NAI	-0.435 [0.215] (0.154)	0.008 [0.062] (0.900)	-0.605 [0.279] (0.154)	0.163 [0.152] (0.635)	[0.193 - 0.196]

Coefficient [standard error] (fdr adjusted p-value).* and bold=significant at $p<0.05$

& Models are adjusted for age, age^2, sex and education

a Measure available for n=1446 subjects

b Measure available for n=2198 subjects

TBV: total brain volume; WMV: white matter volume; GMV: gray matter volume; WMHV: hyperintensities volume; WBC: white blood cell count; VLMT: verbal learning and memory test; NAI: Nurnberg age inventory; SPARE-AD: Spatial Pattern of Atrophy for Recognition of Alzheimer´s disease; SPARE-BA: Spatial Pattern of Atrophy for Recognition of brain aging; SHIP: Study of Health in Pomerania; hs-CRP: high sensitive C-reactive protein