

	Neurologic	-0.238	-0.691	0.001	0.145	0.144	0.044	-0.023	-0.068	0.149
	Homocysteine	-0.162	-0.597	0.038						
Any Grade 3-4 Condition										
Focused Attention										
	Grade 3-4	0.046	1.579	0.228	0.004	0.011	0.938	0.004	0.125	0.938
	hs-CRP	0.844	10.928	<0.001						
CPT Omissions										
	Grade 3-4	0.155	-0.005	0.998	0.000	0.000	0.998	0.000	-0.005	0.998
	hs-CRP	-0.848	-11.414	<0.001						
Visuomotor Processing Speed										
	Grade 3-4	-0.110	-0.212	0.116	-0.004	-0.012	0.937	-0.001	-0.001	0.937
	hs-CRP	0.145	0.104	0.117						
Visuomotor Processing Speed										
	Grade 3-4	-0.070	-0.134	0.338	0.225	1.094	<0.001	-0.043	-0.082	0.065
	IL-6	-0.190	-0.075	0.039						
Visual Processing Speed										
	Grade 3-4	-0.085	-0.217	0.238	-0.005	-0.014	0.925	0.001	0.002	0.926
	hs-CRP	-0.117	-0.111	0.213						
Grooved Peg Board										
	Grade 3-4	-0.183	-0.429	0.009	-0.005	-0.012	0.934	-0.001	-0.001	0.934
	hs-CRP	0.134	0.117	0.149						
Verbal Learning										
	Grade 3-4	-0.139	-0.280	0.048	-0.005	-0.012	0.934	0.000	0.000	0.936
	hs-CRP	0.030	0.022	0.750						
Cognitive Flexibility										
	Grade 3-4	-0.072	-0.145	0.325	-0.004	-0.012	0.937	0.000	0.000	0.938
	hs-CRP	0.033	0.025	0.730						
Smoking										
Short-term Verbal Recall										
	Current Smoker	-0.242	-0.600	0.001	0.118	0.101	0.093	-0.008	-0.019	0.454
	Former Smoker	-0.050	-0.131	0.504	0.136	0.124	0.061	-0.009	-0.024	0.435
	Homocysteine	-0.066	-0.190	0.399						
Long-term Verbal Recall										

	Current Smoker	-0.289	-0.802	<0.001	0.118	0.101	0.092	-0.010	-0.029	0.351
	Former Smoker	-0.059	-0.172	0.427	0.136	0.123	0.062	-0.012	-0.035	0.325
	Homocysteine	-0.087	-0.282	0.258						
Sustained Attention										
	Current Smoker	-0.291	-0.981	<0.001	0.116	0.100	0.098	-0.009	-0.029	0.396
	Former Smoker	-0.079	-0.280	0.285	0.138	0.125	0.058	-0.010	-0.037	0.380
	Homocysteine	-0.075	-0.292	0.326						
Visuomotor Processing Speed										
	Current Smoker	-0.284	-0.698	<0.001	0.116	0.100	0.098	-0.020	-0.049	0.173
	Former Smoker	-0.029	-0.075	0.678	0.136	0.124	0.061	-0.023	-0.061	0.139
	Homocysteine	-0.172	-0.490	0.017						
Short-term Verbal Recall										
	Current Smoker	-0.270	-0.671	0.133	0.125	0.085	0.076	0.027	0.066	0.133
	Former Smoker	-0.054	-0.142	0.456	-0.015	-0.011	0.840	-0.003	-0.008	0.840
	Platelets	0.212	0.778	0.004						
Sustained Attention										
	Current Smoker	-0.302	-1.011	<0.001	0.042	0.106	0.566	-0.001	-0.002	0.850
	Former Smoker	-0.086	-0.306	0.249	0.211	0.575	0.003	-0.003	-0.011	0.842
	TNFa	-0.014	-0.019	0.842						
Long-term Verbal Recall										
	Current Smoker	-0.291	-0.801	<0.001	0.184	0.871	0.011	-0.012	-0.032	0.400
	Former Smoker	-0.069	-0.204	0.340	0.012	0.062	0.869	-0.001	-0.002	0.871
	MDA	-0.063	-0.037	0.372						
Long-term Verbal Recall										

	Current Smoker	-0.298	-0.822	<0.001	-0.050	-0.067	0.503	-0.004	-0.011	0.560
	Former Smoker	-0.082	-0.242	0.262	0.140	0.203	0.060	0.012	-0.035	0.320
	OxLDL	0.084	0.170	0.240						
Short-term Verbal Recall										
	Current Smoker	-0.244	-0.603	0.001	-0.050	-0.067	0.503	-0.007	-0.018	0.524
	Former Smoker	-0.078	-0.206	0.286	0.140	0.203	0.060	0.020	0.054	0.167
	OxLDL	0.146	0.263	0.040						

Abbreviations: Std Est, standardized estimate; Unstd Est, unstandardized estimate; CHC, chronic health condition; CVD: Cardiovascular disease; HS-CRP, c-reactive protein; IL-6, interleukin-6; Gpx: glutathione peroxidase; MDA: Malondialdehyde; TNF- α : tumor necrosis factor -alpha. Bolded results indicate associations with statistical significance worth pursuing in future investigations ($p < 0.10$)

¹ Mediation was explored for any neurocognitive outcome associated ($p < 0.10$) with a given biomarker and chronic health conditions or smoking. Individual models were run for each potential mediation pathway. Models were adjusted for age at evaluation and sex. Standardized estimates refer to standardized coefficient estimates for each path. Unstandardized estimates refer to the unstandardized coefficient estimates for each path.

² Chronic health conditions were categorized as any grade 2 or higher cardiovascular, pulmonary, neurologic, or endocrine condition. Cardiovascular group 1 included hypertension and dyslipidemia and cardiovascular group 2 included all other conditions. We also examined any grade 3-4 condition.

³ P-values are derived from probit model with a robust weighted least squares estimator (WLSMV). All P-values are two-sided.