





Underweight (<18.5)	-4.930	-11.168, 1.307	0.121	-	-	-	-	-	-
Normal (18.5-24)	Ref								
Overweight (25-29)	-0.822	-1.840, 0.196	0.114	-	-	-	-	-	-
Obese (≥30)	-0.573	-1.644, 0.499	0.295	-	-	-	-	-	-
Height (per cm)	-0.086	-0.129, -0.043	<b>&lt;0.001</b>	-0.013	-0.078, 0.053	0.705	-	-	-
Weight (per kg)	-0.034	-0.058, -0.010	<b>0.006</b>	-0.009	-0.037, 0.018	0.511	-	-	-
Waist (per cm)	-0.052	-0.080, -0.024	<b>0.001</b>	-0.011	-0.041, 0.020	0.499	-	-	-
Waist / hip ratio	-9.266	-13.455, -5.076	<b>&lt;0.001</b>	1.364	-4.036, 6.764	0.621	-	-	-
Heart rate	0.045	0.011, 0.079	<b>0.010</b>	0.030	-0.004, 0.063	0.084	-	-	-
Systolic blood pressure (per mmHg)	-0.035	-0.056, -0.013	<b>0.002</b>	-0.009	-0.031, 0.014	0.448	-	-	-
Diastolic blood pressure (per mmHg)	-0.021	-0.059, 0.017	0.283	-	-	-	-	-	-
Mean arterial pressure (per mmHg)	-0.036	-0.069, -0.004	<b>0.028</b>	-0.019	-0.025, 0.014	0.261	-	-	-
Hypertension stages									
Normal	Ref								
Elevated	-0.658	-2.109, 0.793	0.374	0.422	-1.019, 1.863	0.566	-	-	-
Stage 1	-0.811	-1.923, 0.301	0.153	-0.259	-1.362, 0.845	0.646	-	-	-
Stage 2	-1.557	-2.601, -0.512	<b>0.004</b>	-0.584	-1.649, 0.481	0.283	-	-	-

Spherical equivalent (per dioptre)	1.234	1.032, 1.436	<b>&lt;0.001</b>	1.373	1.165, 1.580	<b>&lt;0.001 *</b>	1.334	1.082, 1.586	<b>&lt;0.001</b>
Myopic refractive error (D)									
> -0.5	Ref								
-0.5 to -4.99	-4.736	-5.716, -3.756	<b>&lt;0.001</b>	-5.019	-5.988, -4.050	<b>&lt;0.001</b>	-	-	-
≤ -5	-13.154	-15.744, -10.565	<b>&lt;0.001</b>	-14.377	-16.857, -11.897	<b>&lt;0.001</b>	-	-	-
Plasma cholesterol (per mmol/L)	0.445	0.151, 0.740	<b>0.003</b>	-0.002	-0.312, 0.307	0.988	-	-	-
Plasma HDL (per mg/L)	0.010	-0.015, 0.035	0.430	-	-	-	-	-	-
Plasma LDL (per mg/L)	0.017	0.007, 0.027	<b>0.001</b>	0.005	-0.005, 0.015	0.341	-	-	-
Plasma triglycerides (per mg/L)	0.000	-0.006, 0.005	0.869	-	-	-	-	-	-
Lipid lowering drugs	-2.337	-3.182, -1.492	<b>&lt;0.001</b>	-1.391	-2.268, -0.515	<b>0.002</b>	-	-	-
Antihypertensive drugs	-2.213	-4.649, 0.222	0.075	-	-	-	-	-	-
Calcium channel blockers	-0.935	-2.734, 0.865	0.309	-	-	-	-	-	-
Beta-blocker drugs	-2.356	-3.556, -1.156	<b>&lt;0.001</b>	-1.534	-2.747, -0.322	<b>0.013 *</b>	-	-	-
Renin-angiotensin system drugs	-1.709	-2.616, -0.803	<b>&lt;0.001</b>	-0.822	-1.734, 0.090	0.077	-	-	-
Parkinson's disease drugs	2.954	-2.580, 8.488	0.296	-	-	-	-	-	-
IOPg (per mmHg)	-0.334	-0.461, -0.208	<b>&lt;0.001</b>	-0.351	-0.476, -0.225	<b>&lt;0.001 *</b>	-0.208	-0.380, -0.037	<b>&lt;0.001</b>
IOPcc (per mmHg)	-0.449	-0.580, -0.318	<b>&lt;0.001</b>	-0.412	-0.544, -0.280	<b>&lt;0.001</b>	-	-	-



≥24 (Normal)	Ref								
<24 (Cognitive decline)	-0.705	-3.148, 1.738	0.572	-	-	-	-	-	-
MCoA									
≥26 (Normal)	Ref								
<26 (Cognitive decline)	-0.925	-1.736, -0.115	<b>0.025</b>	-0.078	-0.908, 0.752	0.853	-	-	-
NEI VFQ 9 score	-0.024	-0.163, 0.115	0.734	-	-	-	-	-	-
Glaucoma (ISGEO)	-21.285	-24.167, -18.403	<b>&lt;0.001</b>	-20.414	-23.319, -17.508	<b>&lt;0.001</b> †	-	-	-

† Age and sex adjusted model, ‡ Fully adjusted model, ¥ adjusted for sex, ¶ adjusted for age, \* Variables which were entered into the multivariate model for stepwise regression, †† Not entered into the multivariate model for stepwise regression (Alzheimer's disease – due to insufficient case numbers; Glaucoma (ISGEO) – to avoid multiple collinearity) ; bold typeface indicates statistical significance

GCSE – general certificate of secondary education; A level – advanced level; MI – myocardial infarction; TIA – transient ischaemic attack; BMI – body mass index; HDL – high density lipoprotein; LDL – low density lipoprotein; IOPg – Goldmann correlated intraocular pressure; IOPcc – corneal compensated intraocular pressure; CH – corneal hysteresis; CRF – corneal resistance factor; VCDR – vertical cup disc ratio; OPP – ocular perfusion pressure; MMSE – mini mental state examination; MCoA – Montreal cognitive assessment; NEI VFQ National Eye Institute Visual Function Questionnaire ISGEO – International Society Geographical and Epidemiological Ophthalmology