

Supplementary Table S4 Multivariable associations between lipid serum and Goldmann-correlated intraocular pressure (IOPg) in UK Biobank and EPIC Norfolk cohorts

Serum lipid levels (mmol/L)	UK Biobank			EPIC-Norfolk		
	β	(95% CI)	<i>P</i> -value	β	(95% CI)	<i>P</i> -value
Total cholesterol (per SD increase)	0.12	(0.10, 0.14)	<0.001	0.24	(0.13, 0.36)	<0.001
Total cholesterol in quartiles						
Q1	Ref			Ref		
Q2	0.18	(0.12, 0.25)	<0.001	0.25	(-0.03, 0.54)	0.08
Q3	0.26	(0.20, 0.33)	<0.001	0.34	(0.03, 0.65)	0.033
Q4	0.32	(0.25, 0.38)	<0.001	0.53	(0.22, 0.86)	0.001
<i>P</i> for trend			<0.001			0.001
HDL-C (per SD increase)	0.11	(0.08, 0.13)	<0.001	0.17	(0.06, 0.28)	0.003
HDL-C in quartiles						
Q1	Ref			Ref		
Q2	0.11	(0.05, 0.17)	<0.001	0.18	(-0.10, 0.46)	0.19
Q3	0.21	(0.14, 0.27)	<0.001	0.29	(0.01, 0.58)	0.047
Q4	0.28	(0.21, 0.35)	<0.001	0.34	0.04, 0.66)	0.027
<i>P</i> for trend			<0.001			0.022
LDL-C (per SD increase)	0.10	(0.08, 0.12)	<0.001	0.19	(0.08, 0.31)	0.001
LDL in quartiles						
Q1	Ref			Ref		
Q2	0.10	(0.04, 0.16)	0.001	0.17	(-0.10, 0.45)	0.22
Q3	0.16	(0.10, 0.23)	<0.001	0.22	(-0.07, 0.52)	0.14
Q4	0.25	(0.18, 0.31)	<0.001	0.58	(0.24, 0.91)	0.001
<i>P</i> for trend			<0.001			0.001
Triglycerides (per SD increase)	-0.01	(-0.03, 0.01)	0.35	-0.01	(-0.11, 0.09)	0.78
Triglycerides in quartiles						
Q1	Ref			Ref		
Q2	0.06	(0.00, 0.12)	0.04	-0.04	(-0.31, 0.23)	0.76
Q3	0.01	(-0.05, 0.08)	0.65	0.02	(-0.25, 0.29)	0.89
Q4	-0.01	(-0.07, 0.05)	0.73	-0.01	(-0.28, 0.28)	0.99
<i>P</i> for trend			0.86			0.90

Analyses adjusted for age, sex, ethnicity, Townsend deprivation index, body mass index, height, systolic blood pressure, smoking, alcohol and diabetes status, statin use, oral beta-blocker use and spherical equivalent. Quartiles in UK Biobank are defined as follows: for TC: Q1 \leq 4.88, Q2 4.89-5.62, Q3 5.63-6.39, Q4 \geq 6.40; for HDL-C: Q1 \leq 1.18, Q2 1.19-1.41, Q3 1.42-1.69, Q4 \geq 1.70; for LDL-C: Q1 \leq 2.92, Q2 2.93-3.48, Q3 3.49-4.08, Q4 \geq 4.09, for TG: Q1 \leq 1.02, Q2 1.03-1.44, Q3 1.45-2.07, Q4 \geq 2.08. Quartiles for EPIC-Norfolk are defined as follows: for TC: Q1 \leq 4.67, Q2 4.68-5.49, Q3 5.50 - 6.19, Q4 \geq 6.20- 10.20; for HDL-C: Q1 \leq 1.21, Q2 1.22 - 1.46, Q3 1.47 - 1.77, Q4 \geq 1.78 for LDL-C: Q1 \leq 2.46, Q2 2.47 - 3.14, Q3 3.15 - 3.83, Q4 \geq 3.84 for TG: Q1 \leq 1.19, Q2 1.20 to 1.57, Q3 1.58 to 2.19, Q4 \geq 2.20