

Supplementary Table S12. Association of alcohol consumption frequency and alcohol intake quantity with intraocular pressure, inner retinal OCT measures and glaucoma, with further adjustment for additional covariables

	IOP (mmHg)			mRNFL (μm)			mGCIPL (μm)			Glaucoma (%)		
	β	95% CI	P-value	β	95% CI	P-value	β	95% CI	P-value	OR	95% CI	P-value
Alcohol consumption	(n = 50,895)			(n = 22,858)			(n = 22,858)			(n = 52,800)		
Never	0.01	(-0.16, 0.19)	0.88	-0.05	(-0.36, 0.25)	0.73	0.00	(-0.41, 0.40)	0.99	1.01	(0.67, 1.54)	0.94
Infrequent		Reference			Reference			Reference			Reference	
Regular	0.18	(0.08, 0.27)	<0.001	-0.15	(-0.32, 0.01)	0.07	-0.19	(-0.41, 0.02)	0.08	1.07	(0.85, 1.34)	0.59
Former	-0.07	(-0.25, 0.11)	0.43	-0.27	(-0.58, 0.03)	0.08	0.00	(-0.41, 0.40)	0.99	1.40	(0.95, 2.05)	0.09
Alcohol intake (g/week)	(n = 41,198)			(n = 18,617)			(n = 18,617)			(n = 42,636)		
Per SD increase	0.10	(0.07, 0.14)	<0.001	-0.16	(-0.22, -0.10)	<0.001	-0.36	(-0.44, -0.28)	<0.001	1.12	(1.05, 1.22)	0.002
Quintiles												
Quintile 1		Reference			Reference			Reference			Reference	
Quintile 2	0.02	(-0.08, 0.12)	0.67	-0.03	(-0.20, 0.14)	0.70	0.01	(-0.21, 0.24)	0.88	1.03	(0.80, 1.32)	0.83
Quintile 3	0.10	(0.00, 0.20)	0.05	-0.17	(-0.34, 0.00)	0.06	-0.30	(-0.53, -0.07)	0.01	1.14	(0.89, 1.47)	0.30
Quintile 4	0.16	(0.05, 0.26)	0.003	-0.25	(-0.43, -0.08)	0.005	-0.43	(-0.66, -0.20)	<0.001	1.16	(0.90, 1.49)	0.26
Quintile 5	0.28	(0.17, 0.38)	<0.001	-0.44	(-0.62, -0.25)	<0.001	-0.94	(-1.19, -0.70)	<0.001	1.37	(1.06, 1.76)	0.02
P_{trend}			<0.001			<0.001			<0.001			0.01

Notes: Alcohol intake quantified in regular drinkers only. Details of alcohol intake quintiles for each cohort are reported in Supplementary Table S2. All models adjusted for age, sex, ethnicity, Townsend deprivation index, assessment season, body mass index, height, systolic blood pressure, spherical equivalent, diabetes, smoking status, smoking intensity, physical activity, total caffeine intake, total cholesterol, statin use, oral beta blocker use.

Abbreviations: OCT, optical coherence tomography; IOP, intraocular pressure; mRNFL, macular retinal nerve fiber layer; mGCIPL, macular ganglion cell–inner plexiform layer; β , beta coefficient; CI, confidence interval; OR, odds ratio; SD, standard deviation.