

Supplementary Table S9. Association of alcohol intake quantity with intraocular pressure, inner retinal OCT measures and glaucoma, stratified by sex

Alcohol intake quantity (g/week)	Women			Alcohol intake quantity (g/week)	Men			<i>P</i> _{Interaction}
	Estimate	95% CI	P-value		Estimate	95% CI	P-value	
IOP (mmHg)		(n=31 767)		IOP (mmHg)		(n=31 756)		
Per SD increase	0.08	(0.04, 0.11)	<0.001	Per SD increase	0.08	(0.04, 0.12)	<0.001	0.32
Quintile (range)				Quintile (range)				
Q1 (4.0-23.2)		Reference		Q1 (4.0-53.7)		Reference		
Q2 (23.2-51.9)	0.06	(-0.05; 0.17)	0.29	Q2 (54.0-102.0)	0.09	(-0.02; 0.21)	0.12	
Q3 (52.0-84.0)	0.07	(-0.04; 0.18)	0.20	Q3 (102.1-163.1)	0.15	(0.03; 0.27)	0.01	
Q4 (84.0-137.2)	0.17	(0.06, 0.28)	0.002	Q4 (163.1-255.1)	0.19	(0.07; 0.30)	0.002	
Q5 (137.2-614.5)	0.20	(0.09; 0.31)	<0.001	Q5 (255.1-617.4)	0.23	(0.11; 0.35)	<0.001	
<i>P</i> _{trend}			<0.001	<i>P</i> _{trend}			<0.001	
mRNFL (μm)		(n=13 957)		mRNFL (μm)		(n=14 599)		
Per SD increase	-0.14	(-0.20, -0.08)	<0.001	Per SD increase	-0.18	(-0.24, -0.11)	<0.001	0.42
Quintile (range)				Quintile (range)				
Q1 (4.4-23.6)		Reference		Q1 (4.4-54.5)		Reference		
Q2 (23.6-52.9)	-0.05	(-0.25; 0.15)	0.61	Q2 (54.5-101.4)	-0.13	(-0.32; 0.06)	0.19	
Q3 (52.9-84.0)	0.11	(-0.09; 0.31)	0.28	Q3 (101.5-162.5)	-0.26	(-0.45; -0.07)	0.007	
Q4 (84.1-138.4)	-0.05	(-0.25; 0.15)	0.64	Q4 (162.6-254.6)	-0.37	(-0.56; -0.18)	<0.001	
Q5 (138.4-600.1)	-0.35	(-0.55, -0.15)	0.001	Q5 (254.7-608.1)	-0.54	(-0.73; -0.34)	<0.001	
<i>P</i> _{trend}			0.003	<i>P</i> _{trend}			<0.001	
mGCIPL (μm)		(n=13 957)		mGCIPL (μm)		(n=14 599)		
Per SD increase	-0.28	(-0.36, -0.19)	<0.001	Per SD increase	-0.35	(-0.44, -0.26)	<0.001	0.31
Quintile (range)				Quintile (range)				
Q1 (4.4-23.6)		Reference		Q1 (4.4-54.5)		Reference		
Q2 (23.6-52.9)	-0.11	(-0.36; 0.15)	0.42	Q2 (54.5-101.4)	-0.21	(-0.47; 0.05)	0.12	
Q3 (52.9-84.0)	-0.02	(-0.28; 0.23)	0.87	Q3 (101.5-162.5)	-0.41	(-0.67; -0.15)	0.002	
Q4 (84.1-138.4)	-0.15	(-0.41; 0.11)	0.25	Q4 (162.6-254.6)	-0.62	(-0.88; -0.36)	<0.001	
Q5 (138.4-600.1)	-0.70	(-0.96; -0.44)	<0.001	Q5 (254.7-608.1)	-0.99	(-1.26; -0.73)	<0.001	
<i>P</i> _{trend}			<0.001	<i>P</i> _{trend}			<0.001	
Glaucoma (%)		(n=32 939)		Glaucoma (%)		(n=33 006)		
Per SD increase	1.11	(1.01, 1.21)	0.031	Per SD increase	1.12	(1.04, 1.21)	0.002	0.62
Quintile (range)				Quintile (range)				
Q1 (4.0-23.2)		Reference		Q1 (4.0-54.5)		Reference		
Q2 (23.2-52.8)	1.30	(0.96; 1.76)	0.09	Q2 (54.5-102.2)	1.01	(0.79; 1.30)	0.93	
Q3 (52.9-84.0)	1.28	(0.94; 1.73)	0.12	Q3 (102.3-163.2)	1.04	(0.81; 1.33)	0.77	
Q4 (84.0-137.5)	1.11	(0.80; 1.53)	0.53	Q4 (163.2-255.3)	1.25	(0.98; 1.60)	0.07	
Q5 (137.5-616.1)	1.47	(1.08, 2.00)	0.01	Q5 (255.3-617.5)	1.34	(1.05; 1.72)	0.02	
<i>P</i> _{trend}			0.08	<i>P</i> _{trend}			0.004	

Notes: Alcohol intake quantified in regular drinkers only. All models adjusted for age, ethnicity, Townsend deprivation index, assessment season, body mass index, height, systolic blood pressure, spherical equivalent, diabetes, smoking status, smoking intensity, physical activity.
Abbreviations: OCT, optical coherence tomography; CI, confidence interval; IOP, intraocular pressure; SD, standard deviation; mRNFL, macular retinal nerve fiber layer; mGCIPL, macular ganglion cell–inner plexiform layer; OR, odds ratio; SD, standard deviation.