

**Supplementary Table 2: Multivariable linear regression of IOP with age, sex, smoking status, diagnoses, surgeries, and interaction terms with smoking status**

	<b>Beta</b>	<b>95% CI</b>	<b>P value</b>
<b>Smoking</b>			
Never smoked	Reference	Reference	
Past smoker	0.769	0.746 to 0.792	< 2 x 10 <sup>-16</sup>
Current smoker	0.915	0.883 to 0.948	< 2 x 10 <sup>-16</sup>
Age (per year of life)	-0.0104	-0.0106 to -0.0103	< 2 x 10 <sup>-16</sup>
<b>Sex</b>			
Male	Reference	Reference	
Female	0.095	0.091 to 0.020	< 2 x 10 <sup>-16</sup>
Unknown	-0.219	-0.270 to -0.168	< 2 x 10 <sup>-16</sup>
Glaucoma	1.319	1.313 to 1.324	< 2 x 10 <sup>-16</sup>
AMD	-0.200	-0.207 to -0.193	< 2 x 10 <sup>-16</sup>
DR	0.387	0.381 to 0.394	< 2 x 10 <sup>-16</sup>
Cataract	0.327	0.318 to 0.328	< 2 x 10 <sup>-16</sup>
<b>Glaucoma Surgery</b>			
In 2017	0.596	0.575 to 0.617	< 2 x 10 <sup>-16</sup>
Before 2017	-0.430	-0.445 to -0.415	< 2 x 10 <sup>-16</sup>
<b>Cataract Surgery</b>			
In 2017	0.335	0.326 to 0.345	< 2 x 10 <sup>-16</sup>
Before 2017	-0.735	-0.743 to -0.728	< 2 x 10 <sup>-16</sup>
<b>INTERACTION TERMS</b>	<b>Beta</b>	<b>95% CI</b>	<b>P value</b>
<b>Age * Smoking</b>			
Age*Past Smoker	-0.0119	-0.0122 to -0.0115	< 2 x 10 <sup>-16</sup>

Age*Current Smoker	0.0094	-0.0099 to -0.0088	$< 2 \times 10^{-16}$
<b>Sex * Smoking</b>			
Female*Past Smoker	0.0638	0.0553 to 0.0723	$< 2 \times 10^{-16}$
Female*Current Smoker	0.0632	0.0488 to 0.0776	$< 2 \times 10^{-16}$
Unknown*Past Smoker	-0.0561	-0.1555 to 0.04321	0.268
Unknown*Current Smoker	-0.0294	-0.1963 to 0.1374	0.730
<b>Glaucoma*Smoking</b>			
Glaucoma*Past Smoker	0.0546	0.0441 to 0.0652	$< 2 \times 10^{-16}$
Glaucoma*Current Smoker	0.361	0.341 to 0.381	$< 2 \times 10^{-16}$
<b>Cataract*Smoking</b>			
Cataract* Past Smoker	0.0237	0.0142 to 0.0333	$1.06 \times 10^{-6}$
Cataract*Current Smoker	-0.105	-0.122 to -0.0883	$< 2 \times 10^{-16}$
<b>AMD*Smoking</b>			
AMD*Past Smoker	0.0350	0.0231 to 0.0471	$9.82 \times 10^{-9}$
AMD*Current Smoker	-0.018	-0.0415 to 0.00636	0.150
<b>Glaucoma Surgery* Smoking</b>			
Glaucoma Surgery in 2017* Past Smoker	.0261	-0.0127 to 0.0649	0.187
Glaucoma Surgery in 2017* Current Smoker	-0.247	-0.313 to -0.181	$2.90 \times 10^{-13}$

Glaucoma Surgery before 2017* Past Smoker	0.0734	0.0477 to 0.0991	$2.25 \times 10^{-8}$
Glaucoma Surgery before 2017* Past Smoker	-0.181	-0.237 to -0.126	$1.59 \times 10^{-10}$
Cataract Surgery* Smoking			
Cataract Surgery in 2017* Past Smoker	-0.0428	-0.0594 to -0.0261	$4.86 \times 10^{-7}$
Cataract Surgery in 2017* Current Smoker	-0.101	-0.128 to -0.0752	$6.59 \times 10^{-14}$
Cataract Surgery before 2017* Past Smoker	-0.0293	-0.0424 to -0.0163	$1.01 \times 10^{-5}$
Cataract Surgery before 2017* Past Smoker	-0.100	-0.127 to -0.0736	$1.80 \times 10^{-13}$

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