

Supplemental Table 1: Current Procedural Terminology definitions of core domain and subspecialty surgeries.

Subspecialty Surgeries	Core Domain Surgeries
<u>Retina</u> Repair of retinal detachment: 67107, 67113, 67108 Pars plana vitrectomy: 67036, 67039, 67040, 67041, 67042, 67043 Silicone oil removal: 67121	<u>Cataract extraction</u> 66984, 66982
<u>Cornea</u> Penetrating keratoplasty: 65730, 65750, 65755 Endothelial keratoplasty: 65756 Anterior lamellar keratoplasty: 65710	<u>Pterygium/conjunctival procedures</u> 65420, 65426, 66130, 66225, 68100, 65770, 65865, 65870, 65875, 65880, 65900, 66250, 68110, 68115, 68130, 68320, 68325, 68326, 68328, 68330, 68335, 68340, 68360, 68362, 68399, 65780, 65800, 66220, 65400, 65410, 65710
<u>Glaucoma</u> Trabeculectomy: 66170, 66172 Aqueous shunt implantation: 66185, 66180, 66179	<u>Eyelid laceration repairs</u> 12011, 12013, 12014, 12015, 12016, 12017, 12018, 12020, 12051, 12052, 12053, 12054, 12055, 12056, 12057, 13151, 13152, 13153, 13160, 14060, 14061, 15120, 15121, 15260, 15261, 15576, 15630, 67930, 67935, 68700, 68815
<u>Oculoplastics</u> Enucleation: 65101, 65103, 65105 Exenteration: 65110, 65112, 65114 Ocular implant procedures: 65125, 65130, 65135, 65140, 65150, 65155, 65175 Orbitotomy: 67400, 67405, 67412, 67413, 67414, 67415, 67420, 67430, 67440, 67445, 67450 Eyelid procedures: 67900, 67901, 67902, 67906, 67908, 67909, 67911, 67915, 67916, 67917, 67922, 67923, 67924, 67950, 67961, 67966 Lacrimal gland procedures: 68500, 68505, 68510, 68520, 68525, 68530, 68540, 68550	<u>Chalazion excisions</u> 67800, 67801, 67805, 67808
<u>Neuro-Ophthalmology/Pediatrics</u> Strabismus surgery: 67311, 67312, 67314, 67316, 67318, 67320, 67331, 67332, 67334, 67335, 67340	<u>Ptosis repairs/blepharoplasties</u> 67900, 67901, 67902, 67903, 67904, 67906, 67908, 67909, 67974, 67999, 67950, 15115, 15135, 15155, 15731, 15822, 15823, 67961, 67966, 67971, 67973, 67975, 15820, 15821

Supplemental Table 2: Relative risk of performing pterygium/conjunctival surgery as well as subspecialty surgery, stratified by provider primary subspecialty

	Retina (N = 1224)			Oculoplastics (N = 609)			Cornea (N = 338)			Glaucoma (N = 378)		
	Risk Ratio	95% CI†	p-value	Risk Ratio	95% CI†	p-value	Risk Ratio	95% CI†	p-value	Risk Ratio	95% CI†	p-value
Years in Practice												
<10 years	Reference			Reference			Reference			Reference		
10-20 years	0.97	0.50-1.89	0.94	1.30	0.75-2.25	0.35	0.96	0.56-1.63	0.87	1.24	0.70-2.21	0.46
20-30 years	1.00	0.52-1.95	1.00	1.64	0.95-2.82	0.08	0.91	0.52-1.59	0.74	1.48	0.85-2.59	0.17
>30 years	1.16	0.44-3.08	0.77	1.36	0.70-2.66	0.37	1.29	0.71-2.34	0.40	1.13	0.50-2.56	0.78
Gender												
Female	Reference			Reference			Reference			Reference		
Male	5.31	0.73-38.60	0.10	1.73	0.94-3.21	0.08	1.46	0.74-2.84	0.27	1.19	0.68-2.06	0.54
Region												
Northwest	Reference			Reference			Reference			Reference		
South	0.23	0.11-0.52	0.00***	0.96	0.53-1.75	0.90	1.19	0.64-2.21	0.58	0.65	0.37-1.15	0.14
Midwest	0.68	0.34-1.36	0.28	1.41	0.75-2.66	0.29	0.77	0.36-1.63	0.49	0.82	0.43-1.54	0.53
West	0.56	0.27-1.17	0.12	1.21	0.65-2.27	0.55	1.07	0.51-2.24	0.85	0.58	0.29-1.16	0.12
Rurality												
Metro	Reference			Reference			Reference			Reference		
Non-Metro	(empty)			0.18	0.03-1.30	0.09	0.92	0.22-3.78	0.91	0.51	0.12-2.07	0.34
Hospital Affiliation												
No	Reference			Reference			Reference			Reference		
Yes	0.67	0.39-1.16	0.15	0.84	0.54-1.32	0.45	1.02	0.64-1.61	0.94	0.88	0.56-1.37	0.56

† 95% confidence interval

* p<0.05, ** p<0.01, *** p<0.001

Supplemental Table 3: Factors predicting the performance of conjunctival procedures, eyelid surgery, chalazion excision, and blepharoplasty surgeries among comprehensive ophthalmologists (N=7726)

	Conjunctival procedures			Eyelid laceration repair			Chalazion excision			Ptosis/blepharoplasties		
	Risk Ratio	95% CI†	p-value	Risk Ratio	95% CI†	p-value	Risk Ratio	95% CI†	p-value	Risk Ratio	95% CI†	p-value
Years in Practice												
<10 years	Reference			Reference			Reference			Reference		
10-20 years	0.75	0.51-1.09	0.13	1.07	0.39-2.97	0.89	1.25	0.78-2.02	0.35	0.97	0.78-1.21	0.78
20-30 years	0.99	0.70-1.40	0.97	1.54	0.60-3.99	0.37	1.47	0.93-2.32	0.10	0.87	0.70-1.10	0.24
>30 years	0.88	0.59-1.31	0.52	0.97	0.30-3.15	0.96	1.50	0.91-2.48	0.11	0.77	0.59-1.02	0.07
Gender												
Female	Reference			Reference			Reference			Reference		
Male	1.75	1.21-2.54	0.00**	1.00	0.42-2.37	1.00	1.61	1.02-2.53	0.04*	0.88	0.72-1.07	0.21
Region												
Northwest	Reference			Reference			Reference			Reference		
South	0.99	0.70-1.40	0.95	1.36	0.55-3.40	0.51	0.94	0.65-1.37	0.75	2.13	1.64-2.77	0.00***
Midwest	0.88	0.59-1.33	0.55	0.47	0.12-1.83	0.28	0.44	0.26-0.75	0.00**	1.48	1.10-1.99	0.01**
West	1.15	0.79-1.68	0.46	1.23	0.44-3.42	0.69	0.65	0.40-1.04	0.07	2.15	1.63-2.86	0.00***
Rurality												
Metro	Reference			Reference			Reference			Reference		
Non-Metro	0.58	0.33-1.02	0.06	0.69	0.16-2.95	0.62	0.95	0.54-1.66	0.86	1.18	0.91-1.53	0.22
Hospital Affiliation												
No	Reference			Reference			Reference			Reference		
Yes	1.00	0.77-1.31	1.00	0.90	0.44-1.84	0.78	1.00	0.73-1.38	0.99	1.44	1.20-1.71	0.00***

† 95% confidence interval

* p<0.05, ** p<0.01, *** p<0.001