



Accreditation Council for Graduate Medical Education

Ophthalmology Case Logs

National Data Report

Prepared by: Department of Applications and Data Analysis

I. National Resident Statistics Main Table

- A. This main table provides a national picture of educational experiences. The report is ideal for establishing and assessing national policy related to resident practical experiences. Data is broken out by resident role.
- B. Descriptive statistics have been carefully chosen to provide the most useful information for judging performance at that national level.
 - i. "Natl Res AVE" - The national average describes the mean number of procedures performed per resident in the nation.
 - ii. "Natl Res STD" - The standard deviation indicates how tightly the scores are clustered around the mean in the set of data.
 - iii. "Natl Res MIN" - The minimum value among procedure counts in the nation.
 - iv. "Natl Res MED" - The median value among procedure counts in the nation.
 - v. "Natl Res MAX" - The maximum value seen among procedure counts in the nation.

II. National Benchmark Table for Resident Statistics

The table displays selected percentile benchmarks of program averages. For example, a score at the 10th percentile indicates that 10% of residents achieved less than the value while the remaining 90% achieved more than the value.

The information on the following pages has been created using specialty specific categories. These data should not be used for comparison across specialties as the definition of the categories will vary among the specialties. In addition, care should be exercised when comparing data from year to year as the definition of certain categories may be revised from time to time.

OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)
Reporting Period: Total Experience of Residents Completing Programs in 2017-2018
Residency Review Committee for Ophthalmology
Report Date: August 24, 2018

[PART 1]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 488									
		Surgeon					Assistant					Surgeon + Assistant				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Type															
Cataract	Phacoemulsification	195.9	67	84	188	504	63.9	69	0	43	365	259.8	100	85	242	855
	Non-phacoemulsification ECCE	2.2	4	0	1	50	1.6	3	0	1	29	3.8	5	0	2	51
	TOTAL - Cataracts	198.1	67	87	189	505	65.5	69	0	45	370	263.6	100	91	245	865
Other Cataract	Other cataract/IOL surgery	1.5	2	0	1	22	2.6	10	0	1	181	4.1	11	0	2	203
	Anterior vitrectomy	1.1	2	0	0	18	0.5	1	0	0	14	1.5	2	0	1	21
	TOTAL - Other Cataract	2.5	3	0	1	34	3.1	10	0	1	181	5.6	12	0	3	215
Laser Surgery	YAG capsulotomy	22.2	15	4	19	88	0.6	2	0	0	27	22.8	15	5	19	88
	Laser trabeculoplasty	16.1	16	0	11	132	0.6	2	0	0	42	16.8	16	0	11	132
	Laser iridotomy	15.4	11	4	12	71	0.6	2	0	0	16	16.0	11	4	13	71
	Panretinal laser photocoagulation	36.5	36	9	23	229	1.3	3	0	0	51	37.8	37	10	23	235
	Focal laser photocoagulation	2.1	3	0	1	26	0.2	1	0	0	15	2.3	4	0	1	26
	Cyclodestructive procedures	3.0	4	0	1	35	0.5	1	0	0	15	3.5	5	0	1	43
	Other glaucoma lasers (incl iridoplasty)	0.3	1	0	0	13	0.0	0	0	0	5	0.4	1	0	0	18
	TOTAL - Laser Surgery	95.6	56	24	80	419	3.9	7	0	2	63	99.5	56	24	85	437
Corneal Surgery	Keratoplasty	2.5	3	0	1	21	8.0	6	0	6	38	10.5	7	2	8	47
	Conjunctival procs/Pterygium excision	5.8	6	0	4	33	1.1	2	0	1	16	6.9	6	0	5	34
	Other Cornea	3.9	4	0	3	28	2.6	3	0	1	21	6.5	6	0	5	35
	TOTAL - Cornea Surgery	12.2	8	2	10	54	11.8	9	0	10	54	24.0	12	7	21	84

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[PART 2] Number of Programs in the Nation: 115 Number of Residents in the Nation: 488

		Surgeon					Assistant					Surgeon + Assistant				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Type															
Keratorefractive Surgery	Incisional procedures	1.6	4	0	0	41	0.9	4	0	0	48	2.5	6	0	0	51
	Laser procedures	4.9	14	0	0	125	8.9	11	0	7	112	13.8	21	0	8	237
	Other (keratorefractive)	0.0	0	0	0	3	0.0	0	0	0	4	0.0	0	0	0	4
	TOTAL - Keratorefractive Surgery	6.5	15	0	2	125	9.8	11	0	7	112	16.4	21	0	10	237
Strabismus	Any muscle surgery	23.2	14	5	19	87	9.5	12	0	5	70	32.7	21	10	28	156
	Other strabismus	0.1	1	0	0	6	0.2	1	0	0	5	0.3	1	0	0	6
	TOTAL - Strabismus	23.3	14	5	20	87	9.7	12	0	5	70	33.0	21	10	28	156
Glaucoma	Filtering procedures	6.2	7	0	4	71	4.2	6	0	2	39	10.4	9	0	8	73
	Shunting procedures	6.6	5	0	6	34	4.0	5	0	2	34	10.6	7	0	9	43
	Other glaucoma	3.0	6	0	1	60	1.8	5	0	0	94	4.8	9	0	3	154
	TOTAL - Glaucoma	15.8	12	1	12	96	10.0	12	0	6	123	25.8	18	1	21	210
Retinal Vitreous	RRD repair	0.7	2	0	0	17	3.7	5	0	2	33	4.4	5	0	3	34
	Posterior vitrectomy (Pars Plana)	4.9	7	0	3	62	17.0	13	0	14	113	21.9	15	0	18	124
	TOTAL - Retinal Vitreous	5.5	8	0	3	63	20.7	16	0	17	134	26.2	18	0	21	147
Other Retinal	Cryotherapy	0.3	1	0	0	10	0.2	1	0	0	4	0.5	1	0	0	12
	Vitreous tap/inject	122.8	121	10	81	647	1.9	5	0	1	84	124.7	122	10	82	647
	Other retina	0.2	1	0	0	7	0.1	1	0	0	8	0.3	1	0	0	11
	TOTAL - Other Retinal	123.2	121	10	82	647	2.3	6	0	1	85	125.5	122	10	83	647

Statistics are based upon the number of procedures logged by residents in the indicated role.

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[PART 3]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 488										
		Surgeon					Assistant					Surgeon + Assistant					
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX	
RRC Area	RRC Type																
Oculoplastic and Orbit	Eye removal and implant	2.7	3	0	2	25	1.5	2	0	1	13	4.2	4	0	3	29	
	Lacrimal surgery	5.7	5	0	4	37	4.8	5	0	3	32	10.6	9	0	8	60	
	Other orbital surgery (eg, orbitotomy)	1.6	3	0	1	20	4.7	6	0	3	38	6.3	7	0	4	45	
	Eyelid laceration / canalicular repair	10.7	8	0	9	65	2.9	4	0	2	23	13.6	10	0	11	76	
	Chalazia excision	8.6	7	0	7	81	1.1	2	0	0	16	9.7	7	0	8	86	
	Tarsorrhaphy	2.6	4	0	2	43	0.9	2	0	0	14	3.6	4	0	2	57	
	Ptosis repair	7.6	7	0	6	45	7.6	9	0	4	78	15.1	12	0	12	88	
	Entropion / ectropion repair	4.5	4	0	3	30	4.1	5	0	2	37	8.6	7	0	7	47	
	Blepharoplasty / reconstruction	12.3	12	0	8	103	7.7	10	0	3	63	19.9	18	0	15	164	
	Temporal artery biopsy	1.4	2	0	1	12	0.7	2	0	0	22	2.1	3	0	1	25	
	Other oculoplastic surgery	12.8	9	0	11	67	5.0	6	0	3	50	17.8	12	0	16	117	
	TOTAL - Oculoplastic and orbit		70.6	39	1	63	403	41.0	40	0	29	317	111.6	67	2	99	720
	Globe Trauma	Corneal/corneoscleral laceration, globe rup	7.9	5	0	6	29	1.2	2	0	1	11	9.1	5	0	8	32
Intraocular foreign body		0.4	1	0	0	5	0.2	1	0	0	7	0.6	1	0	0	7	
Other globe trauma (eg, ant chamber washout)		0.9	1	0	0	8	0.2	1	0	0	4	1.1	1	0	1	9	
TOTAL - Globe Trauma		9.1	5	0	8	29	1.6	2	0	1	12	10.7	6	0	9	35	
TOTAL	TOTAL - Credit Procedures	562.5	208	223	525	1,341	179.4	129	5	148	818	741.9	253	283	712	1,718	
Non-Tracked	Non-Tracked Codes	6.3	11	0	3	118	3.2	7	0	1	58	9.5	14	0	4	127	

Statistics are based upon the number of procedures logged by residents in the indicated role.

OPHTHALMOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)

Reporting Period: Total Experience of Residents Completing Programs in 2017-2018

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[PART 1]		Programs in the Nation: 115					Residents in the Nation: 488									
		Surgeon					Assistant					Surgeon + Assistant				
		Resident Percentiles					Resident Percentiles					Resident Percentiles				
		10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
RRC Area	RRC Procedure															
Cataract	Phacoemulsification	118	151	188	228	282	2	20	43	75	153	152	195	242	289	392
	Non-phacoemulsification ECCE	0	0	1	2	5	0	0	1	2	4	0	1	2	4	9
	TOTAL - Cataracts	120	153	189	229	288	2	21	45	77	159	156	200	245	294	403
Other Cataract	Other cataract/IOL surgery	0	0	1	2	4	0	0	1	2	6	0	1	2	4	8
	Anterior vitrectomy	0	0	0	1	3	0	0	0	0	2	0	0	1	2	4
	TOTAL - Other Cataract	0	0	1	3	7	0	0	1	3	7	0	2	3	6	12
Laser Surgery	YAG capsulotomy	8	13	19	26	41	0	0	0	0	2	8	13	19	27	41
	Laser trabeculoplasty	5	7	11	18	31	0	0	0	0	2	5	8	11	18	32
	Laser iridotomy	6	9	12	18	30	0	0	0	0	1	6	9	13	19	31
	Panretinal laser photocoagulation	11	16	23	37	81	0	0	0	1	3	12	17	23	38	85
	Focal laser photocoagulation	0	0	1	2	6	0	0	0	0	1	0	0	1	2	7
	Cyclodestructive procedures	0	0	1	3	8	0	0	0	0	2	0	0	1	4	9
	Other glaucoma lasers (incl iridoplasty)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	TOTAL - Laser Surgery	43	61	80	111	170	0	0	2	4	11	45	64	85	116	173
	Corneal Surgery	Keratoplasty	0	0	1	3	7	2	5	6	10	16	5	6	8	12
Conjunctival procs/Pterygium excision		1	2	4	7	15	0	0	1	1	3	1	3	5	8	16
Other Cornea		0	2	3	5	8	0	0	1	3	7	1	3	5	8	14
TOTAL - Cornea Surgery		4	7	10	14	23	3	7	10	14	23	12	16	21	28	40

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		Resident Percentiles					Resident Percentiles					Resident Percentiles				
		10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
RRC Area	RRC Procedure															
Keratorefractive Surgery	Incisional procedures	0	0	0	0	6	0	0	0	0	2	0	0	0	2	8
	Laser procedures	0	0	0	2	11	0	4	7	10	19	1	6	8	12	27
	Other (keratorefractive)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL - Keratorefractive Surgery	0	0	2	6	15	0	6	7	10	20	6	8	10	15	30
Strabismus	Any muscle surgery	10	15	19	26	42	0	2	5	11	27	13	20	28	37	60
	Other strabismus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	TOTAL - Strabismus	10	15	20	26	42	0	2	5	11	27	13	20	28	38	60
Glaucoma	Filtering procedures	0	2	4	8	15	0	0	2	5	12	1	5	8	13	23
	Shunting procedures	2	4	6	7	13	0	1	2	5	11	3	6	9	12	20
	Other glaucoma	0	0	1	3	7	0	0	0	2	5	0	1	3	5	11
	TOTAL - Glaucoma	6	9	12	17	29	0	2	6	12	25	10	15	21	29	48
Retinal Vitreous	RRD repair	0	0	0	1	2	0	1	2	4	9	0	1	3	5	11
	Posterior vitrectomy (Pars Plana)	0	1	3	5	12	6	10	14	19	32	9	13	18	25	38
	TOTAL - Retinal Vitreous	0	1	3	6	13	8	11	17	24	39	11	15	21	30	47
Other Retinal	Cryotherapy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2
	Vitreous tap/inject	18	41	81	141	296	0	0	1	2	5	19	43	82	143	296
	Other retina	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	TOTAL - Other Retinal	18	42	82	143	296	0	0	1	2	6	20	44	83	145	299

Statistics are based upon the number of procedures logged by residents in the indicated role.

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		Surgeon					Assistant					Surgeon + Assistant				
		Resident Percentiles					Resident Percentiles					Resident Percentiles				
		10	30	50	70	90	10	30	50	70	90	10	30	50	70	90
RRC Area	RRC Procedure															
Oculoplastic and Orbit	Eye removal and implant	0	1	2	3	6	0	0	1	2	4	1	2	3	5	9
	Lacrimal surgery	1	3	4	7	12	0	1	3	6	11	2	5	8	12	22
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	5	0	1	3	5	12	0	2	4	7	14
	Eyelid laceration / canalicular repair	4	6	9	13	20	0	0	2	3	8	5	7	11	16	26
	Chalazia excision	3	5	7	10	15	0	0	0	1	3	4	6	8	11	17
	Tarsorrhaphy	0	1	2	3	6	0	0	0	1	3	0	1	2	4	8
	Ptosis repair	1	3	6	9	17	0	2	4	9	20	3	8	12	19	31
	Entropion / ectropion repair	0	2	3	6	10	0	1	2	5	10	1	4	7	10	18
	Blepharoplasty / reconstruction	3	5	8	15	26	0	1	3	8	20	4	9	15	24	41
	Temporal artery biopsy	0	0	1	2	4	0	0	0	1	2	0	0	1	3	5
	Other oculoplastic surgery	3	7	11	16	24	0	1	3	6	13	4	11	16	22	33
	TOTAL - Oculoplastic and orbit	33	47	63	81	117	3	13	29	52	95	45	73	99	127	198
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	5	6	9	15	0	0	1	1	4	4	6	8	11	17
	Intraocular foreign body	0	0	0	0	1	0	0	0	0	1	0	0	0	1	2
	Other globe trauma (eg, ant chamber washout)	0	0	0	1	2	0	0	0	0	1	0	0	1	1	3
	TOTAL - Globe Trauma	4	6	8	10	16	0	0	1	2	5	5	7	9	13	19
TOTAL	TOTAL - Credit Procedures	342	436	525	619	855	48	100	148	212	354	443	585	712	840	1,104
Non-Tracked	Non-Tracked Codes	0	1	3	6	15	0	0	1	3	9	0	2	4	9	25

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