



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 2018-2019
Residency Review Committee for Ophthalmology
Report Date: September 10, 2019

[PART 1]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 468									
		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	205.4	68	77	194	453	59.0	64	0	40	370	264.4	93	90	251	590
	Non-phacoemulsification ECCE	2.7	9	0	1	185	1.6	3	0	1	24	4.3	11	0	2	209
	TOTAL - Cataracts	208.0	68	86	197	455	60.6	64	0	41	377	268.7	93	90	254	599
Other Cataract	Other cataract/IOL surgery	1.3	2	0	1	13	2.0	4	0	1	36	3.2	4	0	2	36
	Anterior vitrectomy	1.0	2	0	0	11	0.4	1	0	0	8	1.4	2	0	0	16
	TOTAL - Other Cataract	2.3	3	0	1	18	2.3	4	0	1	36	4.6	6	0	3	44
Laser Surgery	YAG capsulotomy	23.5	14	3	20	86	0.6	2	0	0	13	24.1	15	4	21	86
	Laser trabeculoplasty	16.5	15	1	12	125	0.5	2	0	0	17	17.1	15	1	12	125
	Laser iridotomy	15.6	10	1	13	65	0.5	2	0	0	12	16.2	10	1	14	65
	Panretinal laser photocoagulation	40.3	47	5	23	495	0.9	2	0	0	27	41.2	47	5	24	495
	Focal laser photocoagulation	1.6	3	0	0	25	0.1	1	0	0	10	1.7	3	0	0	25
	Cyclodestructive procedures	3.2	5	0	1	31	0.7	2	0	0	17	3.9	5	0	2	31
	Other glaucoma lasers (incl iridoplasty)	0.4	1	0	0	9	0.0	0	0	0	3	0.4	1	0	0	9
	TOTAL - Laser Surgery	101.1	63	13	87	590	3.5	6	0	1	45	104.7	63	13	89	590
Corneal Surgery	Keratoplasty	2.5	4	0	1	30	7.6	6	0	6	39	10.1	6	1	8	44
	Conjunctival procs/Pterygium excision	5.4	5	0	3	29	1.1	2	0	1	15	6.5	6	0	5	30
	Other Cornea	4.8	6	0	3	67	2.4	3	0	1	21	7.3	7	0	6	67
	TOTAL - Cornea Surgery	12.7	10	2	10	86	11.2	8	0	9	59	23.9	12	7	21	89

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[PART 2]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 468									
		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	1.3	3	0	0	30	0.7	3	0	0	28	2.0	4	0	0	48
	Laser procedures	4.4	12	0	0	167	7.7	10	0	6	104	12.0	16	0	8	194
	Other (keratorefractive)	0.0	0	0	0	3	0.1	0	0	0	4	0.1	0	0	0	4
	TOTAL - Keratorefractive Surgery	5.7	12	0	2	167	8.4	10	0	6	105	14.1	15	0	9	194
Strabismus	Any muscle surgery	23.3	14	7	19	102	8.5	10	0	5	77	31.8	19	9	27	115
	Other strabismus	0.2	1	0	0	10	0.1	0	0	0	5	0.3	1	0	0	11
	TOTAL - Strabismus	23.5	14	9	19	102	8.6	11	0	5	78	32.1	19	10	27	115
Glaucoma	Filtering procedures	6.0	7	0	5	73	4.1	6	0	2	39	10.1	9	0	8	73
	Shunting procedures	6.6	5	0	5	46	3.7	5	0	2	27	10.3	7	0	8	46
	Other glaucoma	3.6	7	0	2	64	1.6	3	0	0	31	5.2	8	0	3	64
	TOTAL - Glaucoma	16.3	13	2	13	152	9.3	11	0	6	90	25.6	18	5	21	167
Retinal Vitreous	RRD repair	0.8	2	0	0	28	3.6	4	0	2	28	4.5	5	0	3	30
	Posterior vitrectomy (Pars Plana)	5.6	8	0	3	57	16.6	12	0	13	84	22.2	14	3	17	87
	TOTAL - Retinal Vitreous	6.4	9	0	3	65	20.2	14	0	16	96	26.6	17	6	22	99
Other Retinal	Cryotherapy	0.2	1	0	0	14	0.2	1	0	0	9	0.4	1	0	0	14
	Vitreous tap/inject	145.1	138	10	96	834	1.5	3	0	0	26	146.6	138	10	97	834
	Other retina	0.1	0	0	0	5	0.1	1	0	0	9	0.2	1	0	0	9
	TOTAL - Other Retinal	145.4	138	10	96	838	1.9	3	0	1	28	147.3	138	10	97	838

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: 468									
		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	2.6	3	0	2	16	1.4	2	0	1	11	4.0	3	0	3	16
	Lacrimal surgery	5.7	5	0	5	45	4.6	5	0	3	36	10.2	8	0	8	62
	Other orbital surgery (eg, orbitotomy)	1.6	2	0	1	17	4.2	5	0	3	34	5.8	6	0	4	34
	Eyelid laceration / canalicular repair	10.6	8	0	8	50	2.6	4	0	1	34	13.2	9	0	11	60
	Chalazia excision	8.7	7	2	7	75	1.0	2	0	0	11	9.7	7	2	8	75
	Tarsorrhaphy	2.5	3	0	2	21	0.9	2	0	0	14	3.5	4	0	2	25
	Ptosis repair	6.9	6	0	5	34	7.5	9	0	5	53	14.4	11	0	12	59
	Entropion / ectropion repair	4.3	4	0	3	23	4.0	5	0	2	33	8.3	7	0	7	37
	Blepharoplasty / reconstruction	12.8	12	0	10	129	7.5	11	0	4	108	20.3	17	0	16	136
	Temporal artery biopsy	1.4	2	0	1	22	0.7	2	0	0	13	2.2	3	0	1	22
	Other oculoplastic surgery	13.1	11	0	10	83	4.6	6	0	2	36	17.8	13	0	15	95
		TOTAL - Oculoplastic and orbit	70.2	37	22	61	274	39.2	39	0	27	213	109.4	59	28	101
Globe Trauma	Corneal/corneoscleral laceration, globe rup	8.2	5	1	7	29	1.1	2	0	0	20	9.2	5	1	8	31
	Intraocular foreign body	0.4	1	0	0	10	0.2	0	0	0	3	0.6	1	0	0	10
	Other globe trauma (eg, ant chamber washout)	1.1	2	0	1	17	0.2	1	0	0	4	1.3	2	0	1	17
		TOTAL - Globe Trauma	9.6	5	1	8	39	1.5	2	0	1	23	11.1	6	4	10
TOTAL	TOTAL - Credit Procedures	601.3	245	208	537	2,127	166.7	120	0	134	754	768.0	269	229	734	2,136
Non-Tracked	Non-Tracked Codes	5.3	9	0	2	89	2.2	5	0	0	57	7.5	13	0	3	108

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 2018-2019

Residency Review Committee for Ophthalmology

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[PART 1]		Programs in the Nation: 115					Residents in the Nation: 468									
		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	129	166	194	231	290	2	19	40	72	143	158	208	251	299	387
	Non-phacoemulsification ECCE	0	0	1	2	6	0	0	1	2	4	0	1	2	4	9
	TOTAL - Cataracts	133	169	197	233	291	2	19	41	73	145	162	209	254	303	390
Other Cataract	Other cataract/IOL surgery	0	0	1	2	3	0	0	1	2	5	0	1	2	4	8
	Anterior vitrectomy	0	0	0	1	4	0	0	0	0	1	0	0	0	2	4
	TOTAL - Other Cataract	0	0	1	2	6	0	0	1	2	6	0	1	3	5	11
Laser Surgery	YAG capsulotomy	8	14	20	28	43	0	0	0	0	2	9	15	21	29	45
	Laser trabeculoplasty	5	8	12	19	34	0	0	0	0	1	5	8	12	20	34
	Laser iridotomy	5	9	13	19	30	0	0	0	0	1	5	9	14	20	31
	Panretinal laser photocoagulation	11	15	23	41	90	0	0	0	1	3	12	16	24	43	90
	Focal laser photocoagulation	0	0	0	1	5	0	0	0	0	0	0	0	0	2	5
	Cyclodestructive procedures	0	0	1	4	9	0	0	0	0	2	0	1	2	5	11
	Other glaucoma lasers (incl iridoplasty)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	TOTAL - Laser Surgery	44	63	87	116	172	0	0	1	3	9	46	68	89	121	180
	Corneal Surgery	Keratoplasty	0	0	1	3	6	1	5	6	9	15	5	6	8	11
Conjunctival procs/Pterygium excision		0	2	3	6	14	0	0	1	1	3	1	3	5	8	15
Other Cornea		0	2	3	5	10	0	0	1	3	6	1	3	6	8	14
TOTAL - Cornea Surgery		4	7	10	15	24	3	6	9	13	22	11	16	21	27	40

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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															
Keratorefractive Surgery	Incisional procedures	0	0	0	1	5	0	0	0	0	1	0	0	0	1	6
	Laser procedures	0	0	0	2	11	0	3	6	8	17	2	6	8	12	24
	Other (keratorefractive)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL - Keratorefractive Surgery	0	0	2	6	12	0	4	6	9	18	6	7	9	13	26
Strabismus	Any muscle surgery	10	14	19	27	42	0	2	5	10	22	13	20	27	37	55
	Other strabismus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	TOTAL - Strabismus	11	14	19	27	42	0	2	5	10	22	13	20	27	37	56
Glaucoma	Filtering procedures	0	2	5	7	13	0	0	2	5	11	1	5	8	12	21
	Shunting procedures	2	4	5	8	13	0	1	2	4	10	3	6	8	12	20
	Other glaucoma	0	0	2	4	7	0	0	0	2	4	0	1	3	5	12
	TOTAL - Glaucoma	6	9	13	18	28	0	2	6	11	24	10	15	21	30	46
Retinal Vitreous	RRD repair	0	0	0	1	2	0	1	2	4	9	0	1	3	6	11
	Posterior vitrectomy (Pars Plana)	0	1	3	6	14	5	10	13	19	33	10	13	17	25	43
	TOTAL - Retinal Vitreous	0	1	3	7	16	8	12	16	23	39	11	15	22	31	50
Other Retinal	Cryotherapy	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	Vitreous tap/inject	22	52	96	184	322	0	0	0	1	5	22	53	97	186	322
	Other retina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	TOTAL - Other Retinal	22	52	96	184	329	0	0	1	2	5	22	53	97	187	331

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	8
	Lacrimal surgery	0	2	5	7	12	0	1	3	6	11	2	5	8	13	20
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	4	0	1	3	5	11	0	2	4	7	14
	Eyelid laceration / canalicular repair	4	6	8	12	21	0	0	1	3	7	5	7	11	15	25
	Chalazia excision	3	5	7	10	15	0	0	0	1	3	4	6	8	11	18
	Tarsorrhaphy	0	1	2	3	6	0	0	0	1	3	0	1	2	4	8
	Ptosis repair	1	3	5	8	16	0	1	5	9	19	3	7	12	18	30
	Entropion / ectropion repair	0	2	3	5	10	0	1	2	5	11	1	4	7	10	17
	Blepharoplasty / reconstruction	3	6	10	14	28	0	1	4	9	19	4	9	16	25	43
	Temporal artery biopsy	0	0	1	2	5	0	0	0	1	2	0	0	1	2	6
	Other oculoplastic surgery	3	6	10	16	26	0	1	2	5	12	5	10	15	21	34
	TOTAL - Oculoplastic and orbit	32	47	61	80	120	2	13	27	50	89	44	68	101	133	185
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	5	7	9	15	0	0	0	1	3	4	6	8	11	16
	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	1	1	3	0	0	0	0	1	0	0	1	2	3
	TOTAL - Globe Trauma	4	6	8	11	17	0	0	1	2	4	5	7	10	13	19
TOTAL	TOTAL - Credit Procedures	341	452	537	677	934	46	92	134	200	318	470	594	734	888	1,125
Non-Tracked	Non-Tracked Codes	0	1	2	4	15	0	0	0	2	6	0	1	3	6	21

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