



# 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 2016-2017**  
**Residency Review Committee for Ophthalmology**  
**Report Date: August 10, 2017**

[PART 1 ]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 474									
		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	186.4	58	82	183	368	65.6	67	0	44	373	252.0	91	97	235	595
	Non-phacoemulsification ECCE	2.0	4	0	1	39	1.8	3	0	1	21	3.8	5	0	2	42
	TOTAL - Cataracts	188.4	58	88	185	372	67.4	68	0	48	373	255.8	91	97	240	601
Other Cataract	Other cataract/IOL surgery	1.6	2	0	1	14	2.7	5	0	1	58	4.3	5	0	3	63
	Anterior vitrectomy	1.5	2	0	1	17	0.6	1	0	0	11	2.1	3	0	1	20
	TOTAL - Other Cataract	3.1	4	0	2	21	3.3	5	0	2	58	6.4	7	0	5	64
Laser Surgery	YAG capsulotomy	20.9	15	4	17	169	0.6	1	0	0	10	21.4	16	5	17	170
	Laser trabeculoplasty	15.6	15	3	11	110	0.6	2	0	0	17	16.1	16	3	11	110
	Laser iridotomy	16.1	13	2	13	122	0.6	2	0	0	13	16.7	13	2	13	128
	Panretinal laser photocoagulation	42.3	51	3	25	453	1.3	3	0	0	38	43.6	52	3	26	453
	Focal laser photocoagulation	3.4	5	0	1	33	0.3	1	0	0	18	3.7	5	0	2	33
	Cyclodestructive procedures	2.6	4	0	1	33	0.5	2	0	0	30	3.2	4	0	2	35
	Other glaucoma lasers (incl iridoplasty)	0.4	1	0	0	10	0.1	0	0	0	3	0.4	1	0	0	10
	TOTAL - Laser Surgery	101.3	69	22	79	502	3.9	6	0	2	65	105.2	69	23	85	504
Corneal Surgery	Keratoplasty	2.6	4	0	1	20	7.8	6	0	6	41	10.5	7	2	8	48
	Conjunctival procs/Pterygium excision	5.7	6	0	4	40	1.2	2	0	1	18	6.9	6	0	5	43
	Other Cornea	3.9	3	0	3	20	2.7	3	0	2	21	6.6	5	0	5	34
	TOTAL - Cornea Surgery	12.3	9	0	9	49	11.7	8	0	9	52	24.0	12	7	22	75

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

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[PART 2 ]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 474									
		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	19	0.9	3	0	0	30	2.2	4	0	0	35
	Laser procedures	5.0	17	0	0	190	9.0	13	0	6	130	14.0	26	0	8	254
	Other (keratorefractive)	0.0	0	0	0	1	0.1	0	0	0	5	0.1	0	0	0	5
	TOTAL - Keratorefractive Surgery	6.3	17	0	1	191	9.9	13	0	7	130	16.2	25	1	10	255
Strabismus	Any muscle surgery	23.5	15	4	18	113	10.3	13	0	5	84	33.7	23	9	28	159
	Other strabismus	0.2	1	0	0	10	0.1	1	0	0	7	0.3	1	0	0	10
	TOTAL - Strabismus	23.7	15	4	19	113	10.4	13	0	5	85	34.1	23	10	28	165
Glaucoma	Filtering procedures	5.1	5	0	4	30	3.9	5	0	2	43	9.1	8	0	7	57
	Shunting procedures	6.3	5	0	5	40	4.1	6	0	2	44	10.4	8	0	8	53
	Other glaucoma	2.3	3	0	1	28	1.8	3	0	1	26	4.1	5	0	2	33
	TOTAL - Glaucoma	13.8	9	3	11	72	9.8	11	0	6	66	23.6	16	4	20	87
Retinal Vitreous	RRD repair	0.9	2	0	0	14	4.1	5	0	3	30	5.0	6	0	3	35
	Posterior vitrectomy (Pars Plana)	5.2	7	0	3	62	17.8	14	0	14	102	23.0	16	0	18	106
	TOTAL - Retinal Vitreous	6.1	8	0	3	63	21.9	17	0	17	131	28.0	19	0	22	135
Other Retinal	Cryotherapy	0.2	1	0	0	10	0.2	1	0	0	7	0.4	1	0	0	10
	Vitreous tap/inject	122.6	134	0	70	756	2.0	5	0	1	81	124.6	134	10	73	756
	Other retina	0.1	0	0	0	5	0.2	1	0	0	8	0.3	1	0	0	8
	TOTAL - Other Retinal	122.9	134	0	71	757	2.4	5	0	1	83	125.3	134	10	74	757

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

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**Residency Review Committee for Ophthalmology**  
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[PART 3]		Number of Programs in the Nation: 115					Number of Residents in the Nation: 474									
		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	18	1.5	2	0	1	13	4.2	4	0	3	21
	Lacrimal surgery	6.3	6	0	5	35	4.8	5	0	3	26	11.1	9	0	9	56
	Other orbital surgery (eg, orbitotomy)	1.7	2	0	1	14	4.6	6	0	3	50	6.3	7	0	4	53
	Eyelid laceration / canalicular repair	9.7	7	1	8	50	2.8	4	0	2	26	12.4	9	2	10	55
	Chalazia excision	8.4	6	0	7	66	1.0	2	0	0	16	9.4	7	0	8	66
	Tarsorrhaphy	2.4	3	0	2	22	1.0	2	0	0	19	3.4	4	0	2	25
	Ptosis repair	7.3	7	0	5	55	7.2	9	0	4	74	14.5	13	0	11	88
	Entropion / ectropion repair	4.7	4	0	3	29	4.3	5	0	2	46	9.0	8	0	7	57
	Blepharoplasty / reconstruction	12.3	11	0	9	87	7.7	10	0	4	69	20.1	17	0	16	115
	Temporal artery biopsy	1.6	2	0	1	18	0.6	1	0	0	14	2.2	3	0	1	18
	Other oculoplastic surgery	12.5	10	0	10	68	5.2	7	0	3	51	17.7	13	0	14	81
	TOTAL - Oculoplastic and orbit		69.6	39	15	60	303	40.8	41	0	28	244	110.4	64	24	93
Globe Trauma	Corneal/corneoscleral laceration, globe rup	7.9	5	0	7	29	1.3	2	0	1	8	9.1	5	0	8	34
	Intraocular foreign body	0.3	1	0	0	7	0.3	1	0	0	6	0.6	1	0	0	8
	Other globe trauma (eg, ant chamber washout)	1.0	1	0	0	15	0.3	1	0	0	5	1.2	2	0	1	15
	TOTAL - Globe Trauma		9.2	5	1	8	32	1.8	2	0	1	13	11.0	6	2	9
TOTAL	TOTAL - Credit Procedures	556.7	233	199	505	1,404	183.3	125	0	157	662	740.0	265	236	691	1,595
Non-Tracked	Non-Tracked Codes	7.6	14	0	4	159	3.3	6	0	1	80	10.9	18	0	6	211

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 2016-2017

Residency Review Committee for Ophthalmology

Report Date: August 10, 2017

[PART 1]		Programs in the Nation: 115					Residents in the Nation: 474									
		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	115	150	183	214	261	3	22	44	78	156	148	198	235	282	371
	Non-phacoemulsification ECCE	0	0	1	2	5	0	0	1	2	5	0	1	2	4	9
	TOTAL - Cataracts	118	153	185	217	262	4	24	48	79	157	152	202	240	288	374
Other Cataract	Other cataract/IOL surgery	0	0	1	2	4	0	0	1	3	7	0	1	3	5	10
	Anterior vitrectomy	0	0	1	2	4	0	0	0	0	2	0	0	1	3	6
	TOTAL - Other Cataract	0	1	2	4	8	0	0	2	4	9	0	2	5	8	14
Laser Surgery	YAG capsulotomy	8	12	17	23	38	0	0	0	0	2	8	13	17	24	39
	Laser trabeculoplasty	5	7	11	16	32	0	0	0	0	1	5	8	11	16	32
	Laser iridotomy	5	8	13	19	32	0	0	0	0	2	5	9	13	19	32
	Panretinal laser photocoagulation	10	16	25	41	98	0	0	0	1	4	11	17	26	42	100
	Focal laser photocoagulation	0	0	1	4	10	0	0	0	0	1	0	0	2	4	10
	Cyclodestructive procedures	0	0	1	3	7	0	0	0	0	2	0	0	2	3	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	60	79	113	186	0	1	2	4	10	46	63	85	117	188
	Corneal Surgery	Keratoplasty	0	0	1	3	7	2	5	6	9	15	5	6	8	12
Conjunctival procs/Pterygium excision		1	2	4	6	14	0	0	1	1	3	1	3	5	8	16
Other Cornea		1	2	3	5	8	0	1	2	3	7	1	3	5	8	13
TOTAL - Cornea Surgery		4	7	9	15	26	4	7	9	14	21	11	16	22	28	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	2	0	0	0	2	7
	Laser procedures	0	0	0	1	10	0	4	6	10	18	1	6	8	12	26
	Other (keratorefractive)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL - Keratorefractive Surgery	0	0	1	5	13	0	5	7	10	20	6	7	10	14	27
Strabismus	Any muscle surgery	10	14	18	26	43	0	2	5	13	26	13	18	28	40	64
	Other strabismus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	TOTAL - Strabismus	10	14	19	26	44	0	2	5	13	27	13	19	28	41	64
Glaucoma	Filtering procedures	0	2	4	6	11	0	0	2	5	10	1	4	7	11	20
	Shunting procedures	1	3	5	7	12	0	1	2	5	11	3	6	8	12	21
	Other glaucoma	0	0	1	2	6	0	0	1	2	5	0	1	2	5	11
	TOTAL - Glaucoma	6	8	11	16	25	0	3	6	11	23	8	14	20	27	43
Retinal Vitreous	RRD repair	0	0	0	1	3	0	1	3	5	10	0	2	3	6	12
	Posterior vitrectomy (Pars Plana)	0	1	3	6	13	5	9	14	22	36	9	12	18	27	42
	TOTAL - Retinal Vitreous	0	1	3	7	16	7	11	17	27	44	11	15	22	33	52
Other Retinal	Cryotherapy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	Vitreous tap/inject	20	43	70	136	304	0	0	1	2	5	21	45	73	138	305
	Other retina	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1
	TOTAL - Other Retinal	20	43	71	136	305	0	0	1	2	6	21	45	74	138	305

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	2	5	8	14	0	2	3	6	12	3	5	9	14	23
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	5	0	1	3	5	12	0	2	4	7	15
	Eyelid laceration / canalicular repair	3	5	8	11	18	0	1	2	3	7	4	7	10	14	24
	Chalazia excision	3	5	7	9	15	0	0	0	1	3	3	6	8	11	16
	Tarsorrhaphy	0	1	2	3	6	0	0	0	1	3	0	1	2	4	8
	Ptosis repair	1	3	5	8	17	0	1	4	9	17	3	7	11	17	30
	Entropion / ectropion repair	0	2	3	6	11	0	1	2	5	11	2	4	7	11	19
	Blepharoplasty / reconstruction	3	5	9	14	26	0	1	4	9	20	4	10	16	25	42
	Temporal artery biopsy	0	0	1	2	5	0	0	0	1	2	0	0	1	3	6
	Other oculoplastic surgery	3	7	10	15	25	0	1	3	6	13	5	10	14	21	35
	TOTAL - Oculoplastic and orbit	34	46	60	78	117	3	15	28	47	95	48	72	93	130	191
Globe Trauma	Corneal/corneoscleral laceration, globe rup	3	5	7	9	14	0	0	1	2	4	4	6	8	11	15
	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	3	0	0	0	0	1	0	0	1	2	3
	TOTAL - Globe Trauma	4	6	8	10	17	0	0	1	2	5	5	7	9	13	19
TOTAL	TOTAL - Credit Procedures	323	412	505	594	909	54	101	157	223	355	439	577	691	835	1,129
Non-Tracked	Non-Tracked Codes	0	1	4	7	18	0	0	1	3	9	0	2	6	11	27

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