



# 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.

**OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)**  
**Reporting Period: Total Experience of Residents Completing Programs in 2014-2015**  
**Residency Review Committee for Ophthalmology**  
**Report Date: September 23, 2015**

[PART 1 ]		Number of Programs in the Nation: 116					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	173.6	61	3	167	403	72.1	67	0	55	422	245.8	91	7	233	622
	Non-phacoemulsification ECCE	2.2	3	0	1	32	1.9	2	0	1	17	4.1	4	0	3	32
	TOTAL - Cataracts	175.8	61	3	169	403	74.0	68	0	57	424	249.8	91	7	237	625
Other Cataract	Other cataract/IOL surgery	2.3	5	0	1	104	3.3	6	0	2	88	5.7	9	0	4	104
	Anterior vitrectomy	1.8	2	0	1	17	0.8	2	0	0	12	2.6	3	0	2	21
	TOTAL - Other Cataract	4.1	6	0	3	104	4.1	7	0	2	88	8.3	10	0	6	105
Laser Surgery	YAG capsulotomy	18.3	11	2	16	80	0.8	2	0	0	24	19.1	12	2	17	81
	Laser trabeculoplasty	13.1	11	0	9	122	0.6	2	0	0	24	13.7	12	0	10	122
	Laser iridotomy	14.8	10	0	13	101	0.7	2	0	0	28	15.6	11	0	13	101
	Panretinal laser photocoagulation	45.5	59	8	27	608	2.0	7	0	0	108	47.5	61	10	28	616
	Focal laser photocoagulation	6.8	8	0	4	52	0.5	2	0	0	19	7.3	8	0	5	52
	Cyclodestructive procedures	2.0	3	0	1	20	0.7	2	0	0	24	2.7	4	0	1	29
	Other glaucoma lasers (incl iridoplasty)	0.6	1	0	0	14	0.1	0	0	0	4	0.6	1	0	0	14
	TOTAL - Laser Surgery	101.1	72	21	83	669	5.4	11	0	2	154	106.4	75	21	88	677
Corneal Surgery	Keratoplasty	2.5	3	0	1	19	7.8	6	0	6	46	10.4	7	1	9	50
	Conjunctival procs/Pterygium excision	5.4	5	0	4	31	1.4	2	0	1	17	6.8	6	0	5	33
	Other Cornea	4.0	4	0	3	28	3.5	4	0	2	26	7.6	6	0	6	46
	TOTAL - Cornea Surgery	12.0	8	0	10	53	12.8	10	0	10	60	24.8	12	4	22	76

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 2 ]		Number of Programs in the Nation: 116					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	1.5	4	0	0	37	0.9	2	0	0	30	2.4	5	0	0	38
	Laser procedures	4.3	15	0	0	178	7.5	8	0	6	82	11.8	18	0	7	194
	Other (keratorefractive)	0.0	0	0	0	2	0.1	0	0	0	5	0.1	0	0	0	5
	TOTAL - Keratorefractive Surgery	5.8	15	0	1	178	8.5	8	0	7	86	14.3	18	0	10	205
Strabismus	Any muscle surgery	25.0	15	4	20	94	13.2	16	0	8	95	38.2	25	6	32	171
	Other strabismus	0.2	1	0	0	16	0.2	1	0	0	5	0.4	1	0	0	16
	TOTAL - Strabismus	25.2	15	4	21	94	13.4	16	0	8	97	38.6	25	6	32	174
Glaucoma	Filtering procedures	4.5	5	0	3	28	4.9	6	0	3	35	9.4	8	0	7	45
	Shunting procedures	6.7	5	0	5	35	5.3	6	0	4	29	11.9	8	0	10	51
	Other glaucoma	1.9	3	0	1	23	1.7	3	0	1	29	3.6	4	0	2	33
	TOTAL - Glaucoma	13.1	8	1	11	41	11.8	12	0	8	80	24.9	15	2	21	99
Retinal Vitreous	RRD repair	0.9	2	0	0	14	4.3	5	0	3	35	5.1	5	0	4	35
	Posterior vitrectomy (Pars Plana)	5.0	9	0	2	94	18.7	13	0	15	95	23.7	17	1	19	137
	TOTAL - Retinal Vitreous	5.9	10	0	3	94	23.0	16	0	19	130	28.9	20	4	23	159
Other Retinal	Cryotherapy	0.3	1	0	0	15	0.3	1	0	0	7	0.6	1	0	0	15
	Vitreous tap/inject	93.1	102	8	57	1,037	3.5	12	0	1	132	96.7	104	10	59	1,037
	Other retina	0.1	0	0	0	4	0.2	1	0	0	5	0.3	1	0	0	6
	TOTAL - Other Retinal	93.6	102	8	58	1,037	4.0	12	0	1	139	97.6	104	10	60	1,037

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

**OPHTHALMOLOGY: NATIONAL RESIDENT REPORT (Main Table)**  
**Reporting Period: Total Experience of Residents Completing Programs in 2014-2015**  
**Residency Review Committee for Ophthalmology**  
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		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	2.8	3	0	2	16	1.6	2	0	1	12	4.4	3	0	4	28
	Lacrimal surgery	6.7	6	0	6	36	5.7	6	0	4	45	12.4	9	0	10	51
	Other orbital surgery (eg, orbitotomy)	1.7	3	0	1	23	4.8	5	0	3	31	6.5	6	0	5	37
	Eyelid laceration / canalicular repair	10.4	8	0	8	49	3.5	5	0	2	34	13.9	10	0	11	57
	Chalazia excision	8.1	5	2	7	34	1.2	2	0	0	9	9.4	5	2	8	37
	Tarsorrhaphy	2.6	3	0	2	23	1.0	2	0	0	20	3.6	4	0	3	31
	Ptosis repair	6.7	6	0	5	44	7.9	9	0	5	60	14.5	12	0	11	72
	Entropion / ectropion repair	4.9	5	0	4	42	4.4	5	0	3	36	9.3	8	0	8	49
	Blepharoplasty / reconstruction	11.2	10	0	8	64	8.2	11	0	4	61	19.4	16	0	15	105
	Temporal artery biopsy	1.4	2	0	1	14	0.6	1	0	0	9	2.0	3	0	1	17
	Other oculoplastic surgery	12.9	9	0	11	55	5.8	7	0	3	47	18.7	13	0	16	81
	TOTAL - Oculoplastic and orbit		69.4	35	17	62	231	44.7	41	0	30	225	114.1	62	29	98
Globe Trauma	Corneal/corneoscleral laceration, globe rup	7.6	4	0	7	33	1.3	2	0	1	9	8.9	5	1	8	35
	Intraocular foreign body	0.4	1	0	0	20	0.3	1	0	0	4	0.7	1	0	0	21
	Other globe trauma (eg, ant chamber washout)	0.9	1	0	1	10	0.6	3	0	0	64	1.5	4	0	1	69
	TOTAL - Globe Trauma		8.9	5	0	8	38	2.2	4	0	1	66	11.0	7	2	10
TOTAL	TOTAL - Credit Procedures	514.9	200	174	481	1,481	203.8	127	0	176	779	718.7	251	204	691	1,736
Non-Tracked	Non-Tracked Codes	10.2	19	0	4	163	4.0	7	0	1	77	14.2	22	0	7	187

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 2014-2015

Residency Review Committee for Ophthalmology

Report Date: September 23, 2015

[PART 1 ]		Programs in the Nation: 116					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	105	136	167	195	258	6	30	55	85	155	142	190	233	278	379
	Non-phacoemulsification ECCE	0	0	1	2	5	0	0	1	2	5	0	1	3	5	10
	TOTAL - Cataracts	106	137	169	197	261	7	32	57	87	158	147	192	237	280	381
Other Cataract	Other cataract/IOL surgery	0	0	1	2	5	0	0	2	4	8	0	2	4	6	12
	Anterior vitrectomy	0	0	1	2	5	0	0	0	1	2	0	0	2	3	7
	TOTAL - Other Cataract	0	1	3	5	9	0	1	2	4	10	1	3	6	10	17
Laser Surgery	YAG capsulotomy	7	11	16	21	31	0	0	0	1	2	7	12	17	22	32
	Laser trabeculoplasty	5	7	9	14	25	0	0	0	0	2	5	7	10	15	27
	Laser iridotomy	5	8	13	18	28	0	0	0	0	2	5	8	13	19	29
	Panretinal laser photocoagulation	12	19	27	43	85	0	0	0	1	5	13	20	28	45	88
	Focal laser photocoagulation	0	2	4	8	17	0	0	0	0	1	0	2	5	9	18
	Cyclodestructive procedures	0	0	1	2	6	0	0	0	0	2	0	0	1	3	8
	Other glaucoma lasers (incl iridoplasty)	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2
	TOTAL - Laser Surgery	45	62	83	110	175	0	0	2	5	13	47	66	88	115	182
Corneal Surgery	Keratoplasty	0	0	1	3	6	2	5	6	9	15	5	6	9	12	18
	Conjunctival procs/Pterygium excision	1	2	4	6	13	0	0	1	2	4	1	3	5	8	15
	Other Cornea	0	2	3	5	9	0	1	2	4	8	1	4	6	9	16
	TOTAL - Cornea Surgery	4	7	10	14	23	4	7	10	15	25	11	17	22	29	42

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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	3	0	0	0	2	7	
	Laser procedures	0	0	0	1	9	0	3	6	9	15	1	6	7	11	22	
	Other (keratorefractive)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TOTAL - Keratorefractive Surgery	0	0	1	4	12	0	5	7	10	16	6	7	10	13	25	
Strabismus	Any muscle surgery	10	15	20	29	47	0	3	8	15	32	14	23	32	46	68	
	Other strabismus	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
	TOTAL - Strabismus	11	15	21	29	47	0	3	8	15	33	14	23	32	46	69	
Glaucoma	Filtering procedures	0	2	3	5	10	0	1	3	6	14	1	4	7	11	20	
	Shunting procedures	2	4	5	8	13	0	1	4	7	13	3	7	10	15	25	
	Other glaucoma	0	0	1	2	5	0	0	1	2	4	0	1	2	4	8	
	TOTAL - Glaucoma	6	8	11	15	24	0	4	8	15	30	9	15	21	30	47	
Retinal Vitreous	RRD repair	0	0	0	1	3	0	1	3	5	11	0	2	4	6	11	
	Posterior vitrectomy (Pars Plana)	0	1	2	5	12	6	10	15	22	37	9	14	19	27	43	
	TOTAL - Retinal Vitreous	0	1	3	5	15	8	13	19	27	44	11	17	23	33	53	
Other Retinal	Cryotherapy	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	
	Vitreous tap/inject	16	31	57	109	209	0	0	1	2	7	17	34	59	114	215	
	Other retina	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	
	TOTAL - Other Retinal	16	32	58	109	209	0	0	1	3	8	17	36	60	114	216	

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	4	6	0	0	1	2	4	1	2	4	5	9
	Lacrimal surgery	1	3	6	8	14	0	2	4	7	13	3	7	10	15	24
	Other orbital surgery (eg, orbitotomy)	0	0	1	2	5	0	1	3	6	11	1	2	5	8	14
	Eyelid laceration / canalicular repair	3	5	8	12	20	0	1	2	4	9	5	7	11	16	28
	Chalazia excision	3	5	7	10	15	0	0	0	1	4	4	6	8	12	17
	Tarsorrhaphy	0	1	2	3	7	0	0	0	1	3	0	1	3	4	8
	Ptosis repair	1	3	5	8	14	0	2	5	9	20	3	7	11	17	29
	Entropion / ectropion repair	0	2	4	6	11	0	1	3	5	11	2	5	8	11	18
	Blepharoplasty / reconstruction	3	5	8	13	23	0	2	4	9	21	5	9	15	23	39
	Temporal artery biopsy	0	0	1	1	4	0	0	0	1	2	0	0	1	2	5
	Other oculoplastic surgery	3	7	11	16	25	0	1	3	7	14	5	11	16	22	35
	TOTAL - Oculoplastic and orbit	33	46	62	79	117	6	18	30	52	103	50	75	98	133	198
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	1	1	2	0	0	0	0	1	0	0	1	2	3
	TOTAL - Globe Trauma	4	6	8	11	16	0	0	1	3	6	5	7	10	13	19
TOTAL	TOTAL - Credit Procedures	306	398	481	578	748	62	127	176	250	390	434	552	691	816	1,042
Non-Tracked	Non-Tracked Codes	0	2	4	9	22	0	0	1	4	11	0	3	7	14	33

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